Closed Method

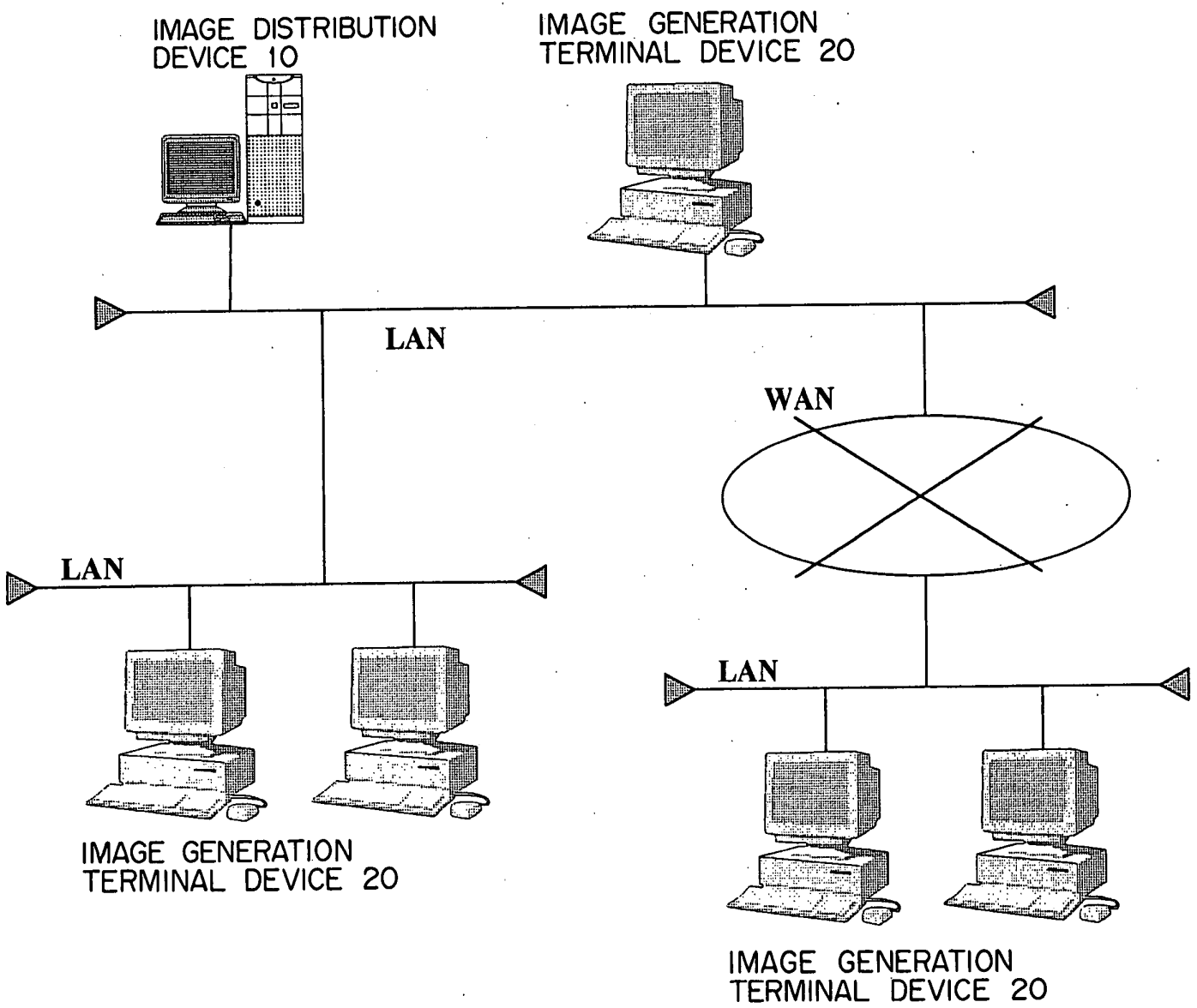

FIG. 1

PUBLISHED WITHOUT

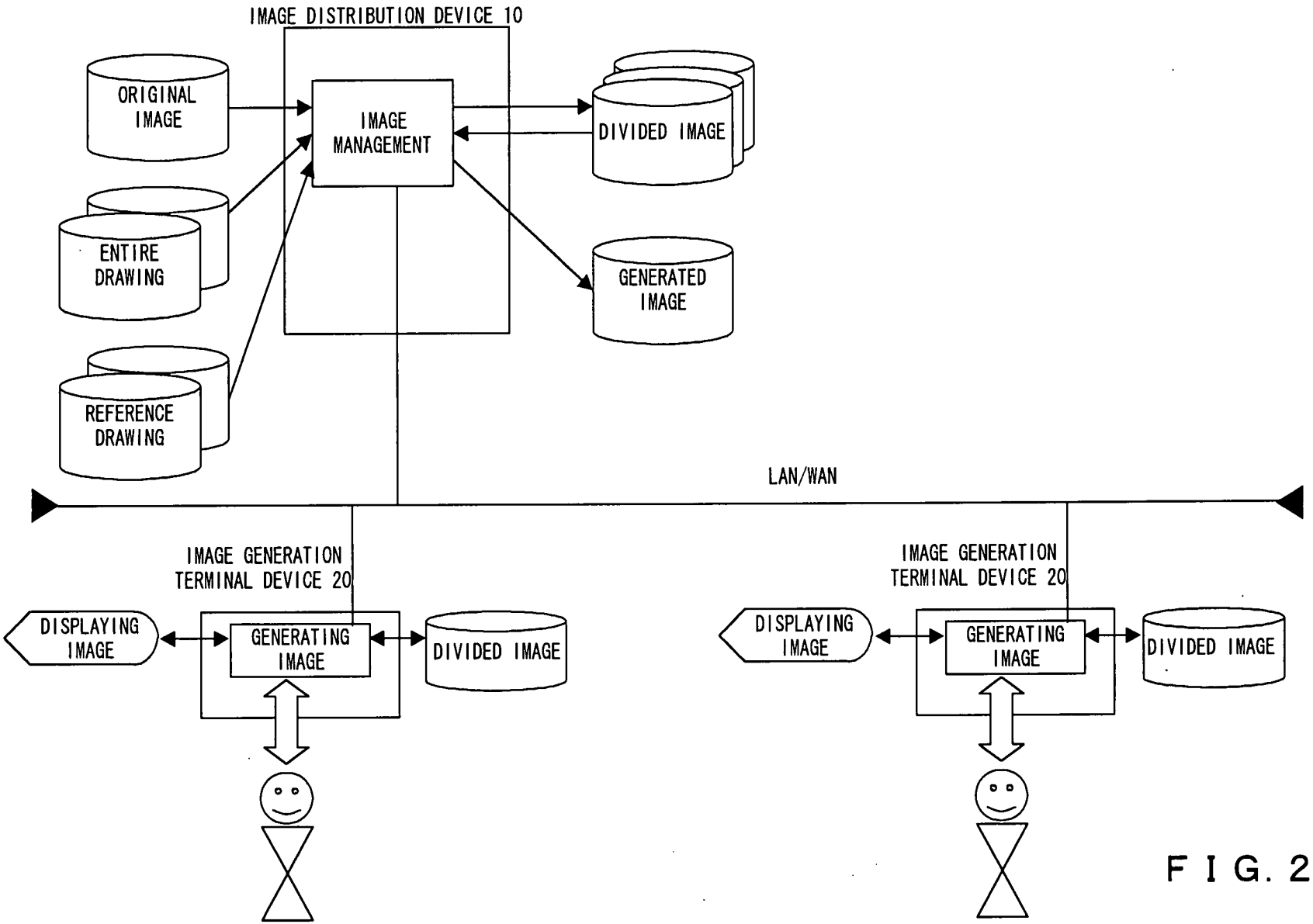

FIG. 2

EUROPEAN PATENT

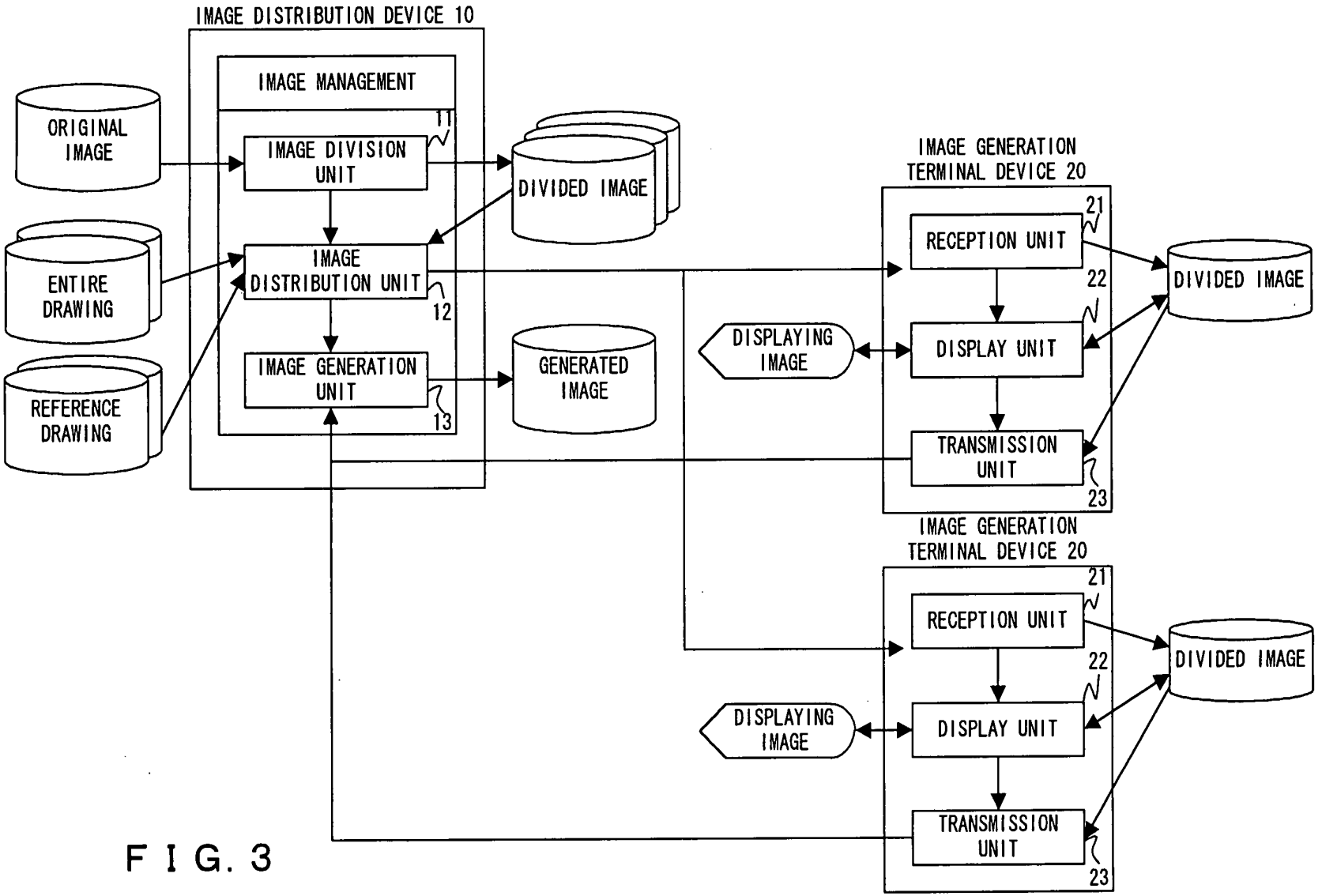

FIG. 3

PUSH20 "0-TH-P080

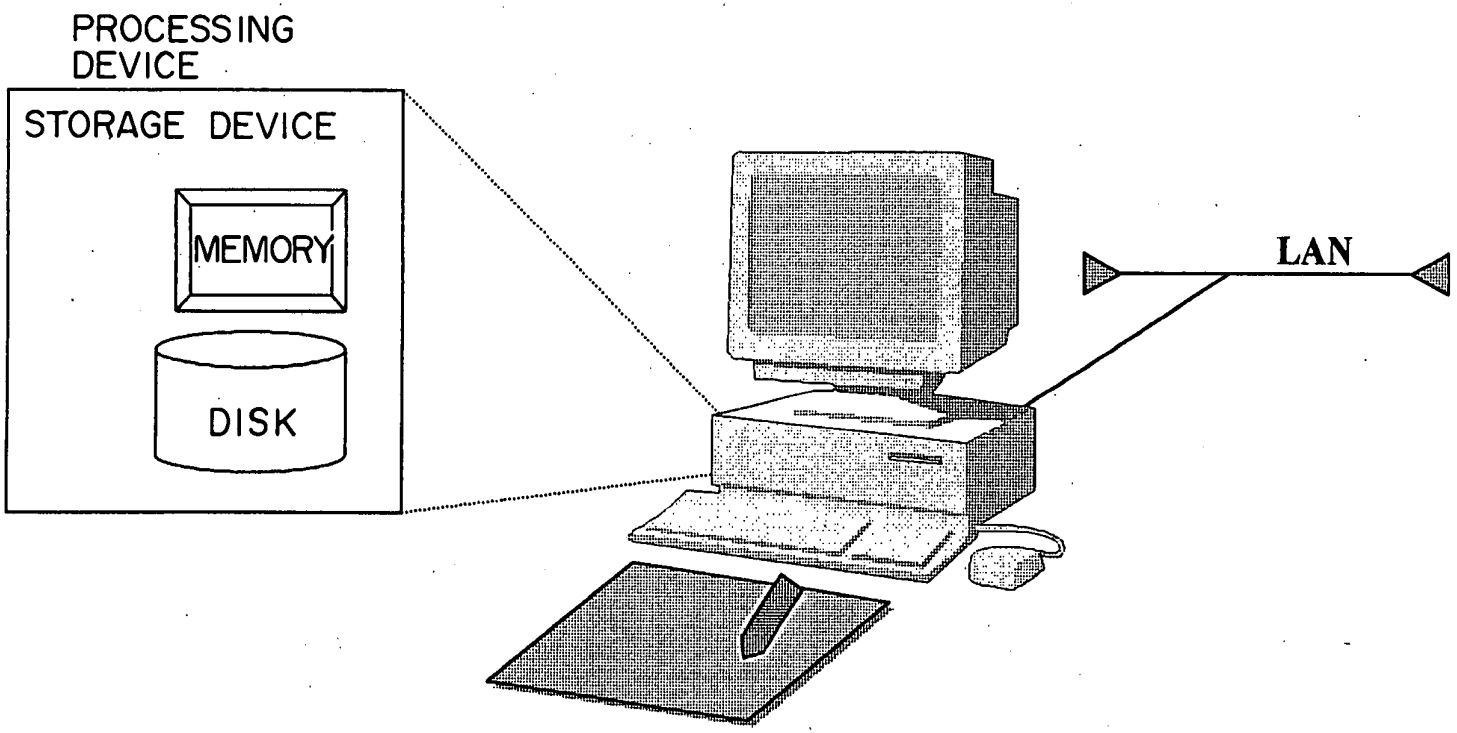

FIG. 4

EPSON DATA600

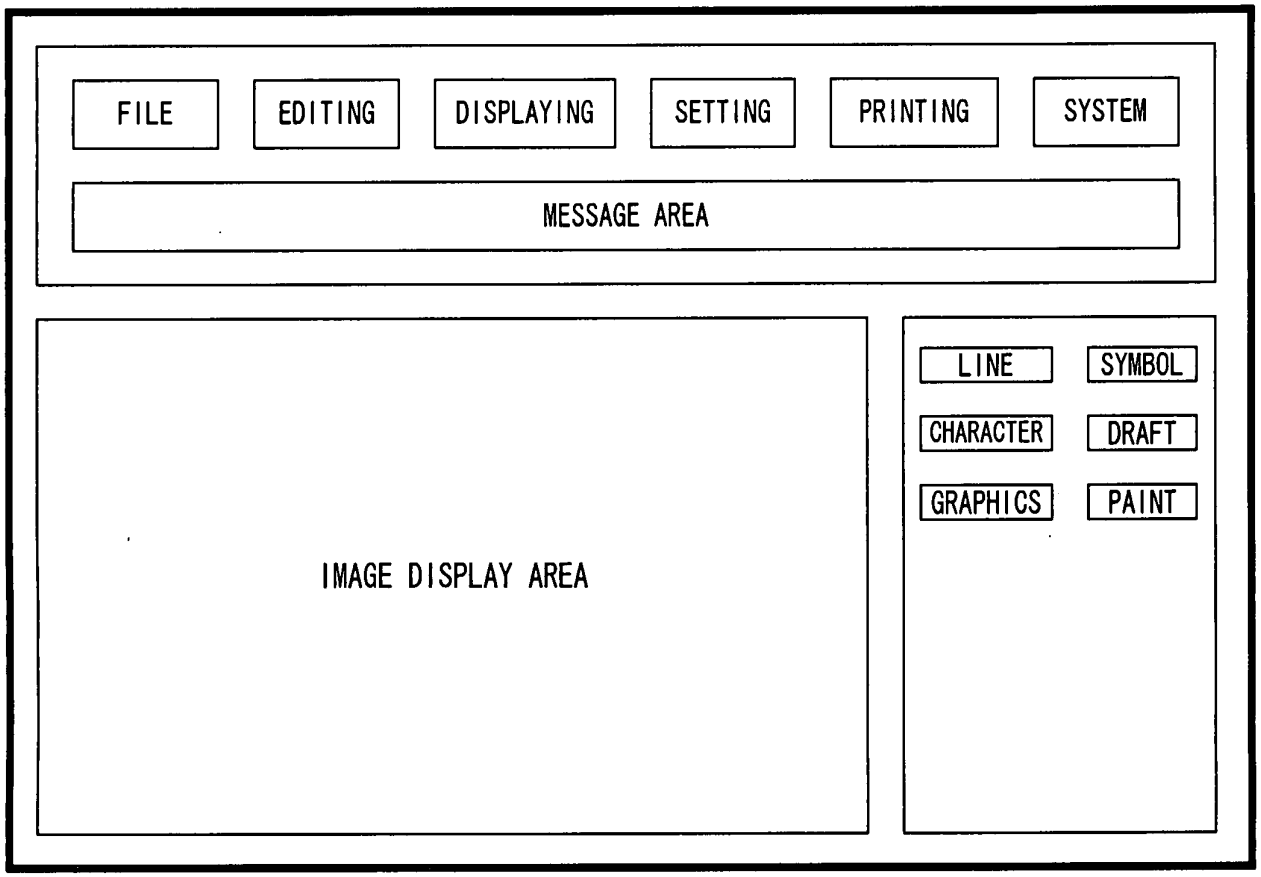

FIG. 5

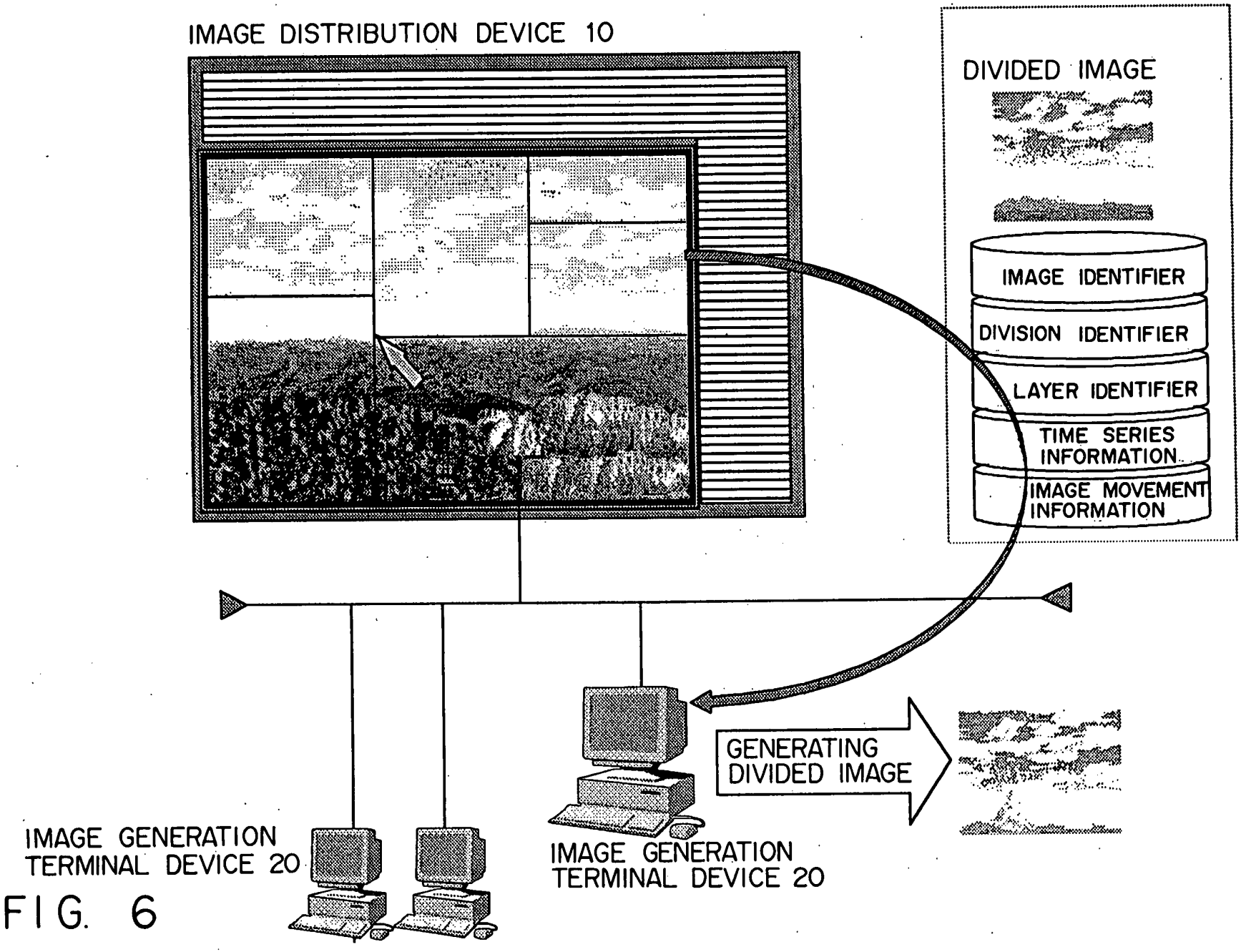
IMAGE DISTRIBUTION DEVICE 10
DIVIDED IMAGE
IMAGE IDENTIFIER
DIVISION IDENTIFIER
LAYER IDENTIFIER
TIME SERIES INFORMATION
IMAGE MOVEMENT INFORMATION
GENERATING DIVIDED IMAGE
IMAGE GENERATION TERMINAL DEVICE 20
IMAGE GENERATION TERMINAL DEVICE 20

FIG. 6

PUBLIC DISPLAY

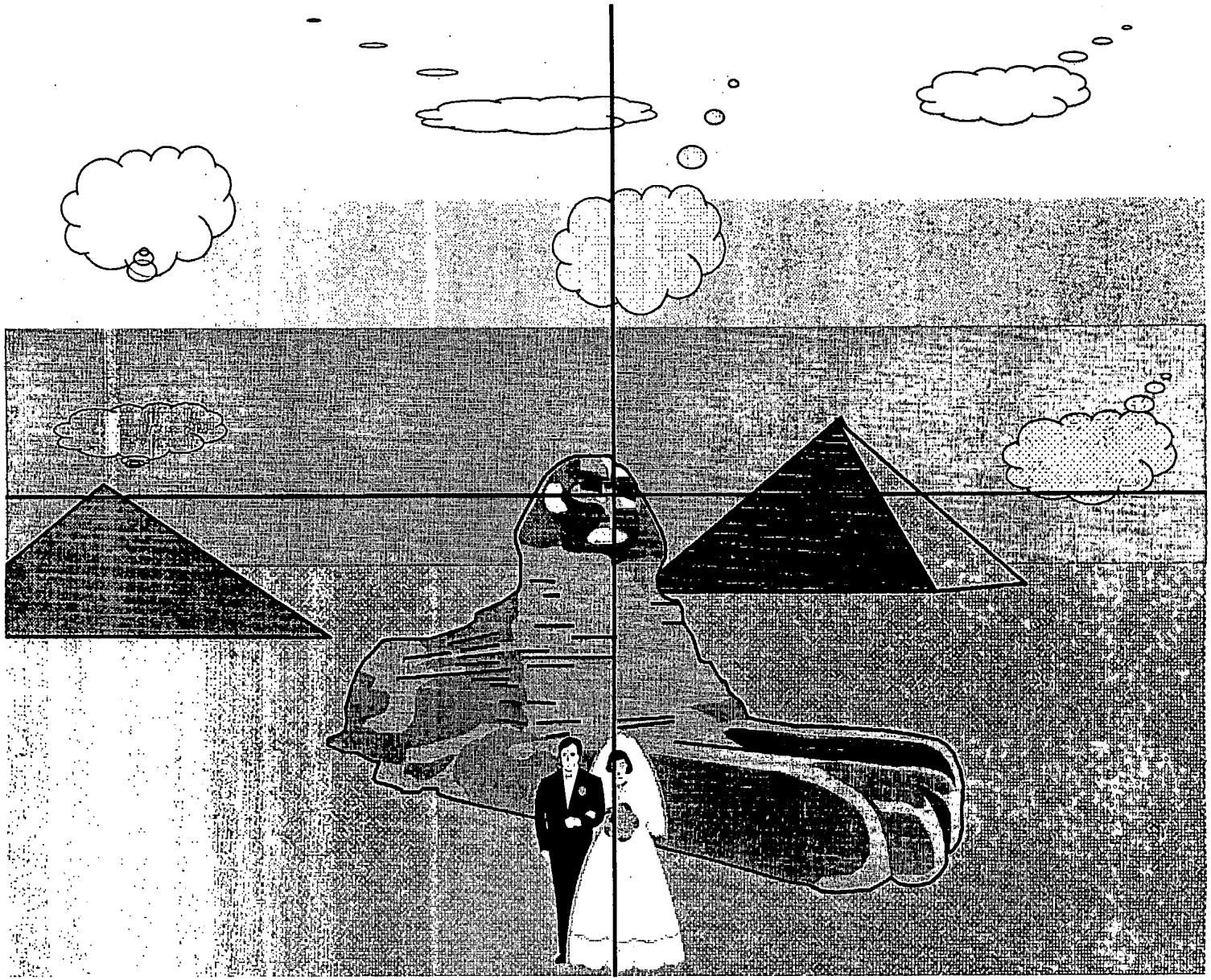

FIG. 7

FIG. 8

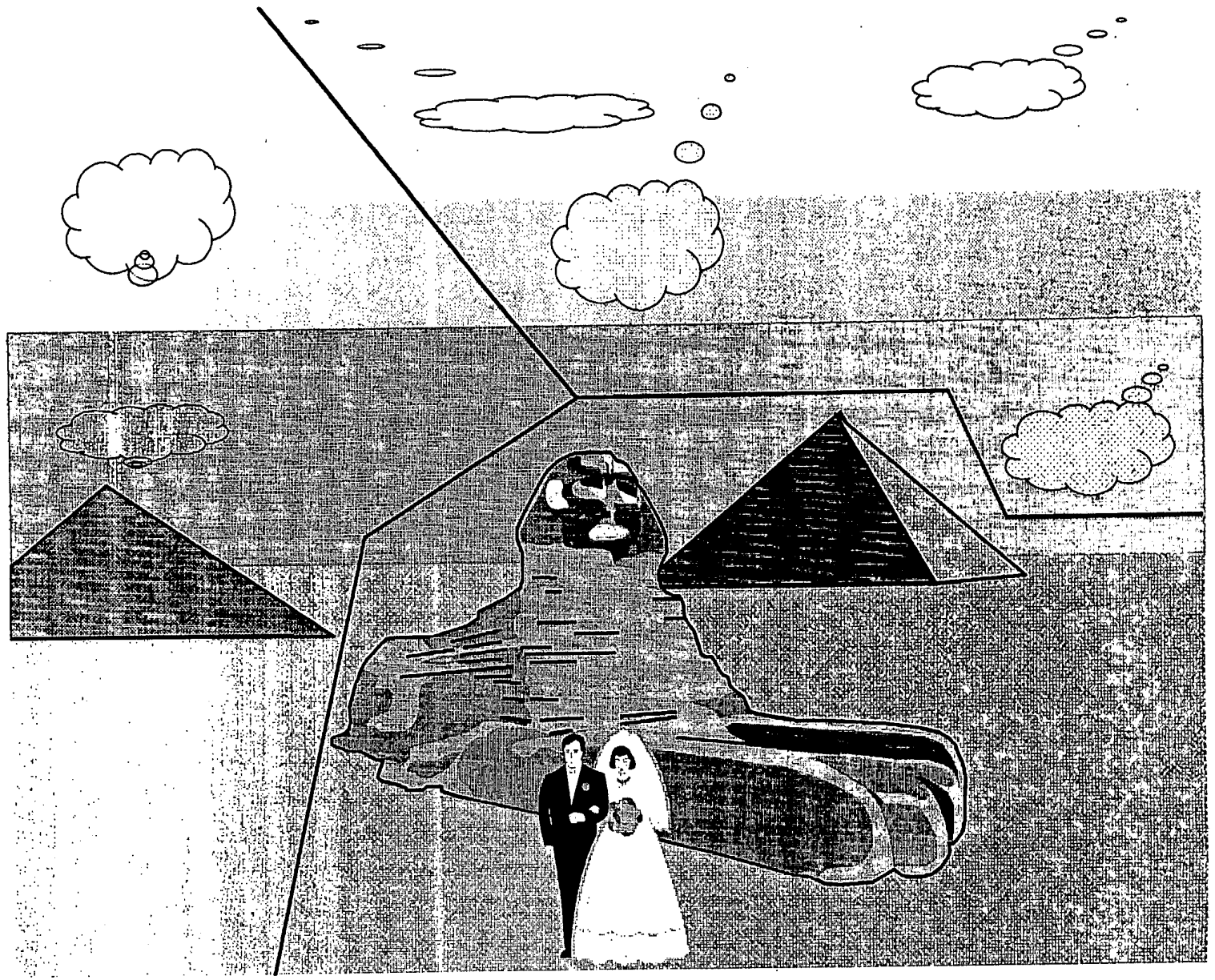

FIG. 9

PUBLIC DOMAIN

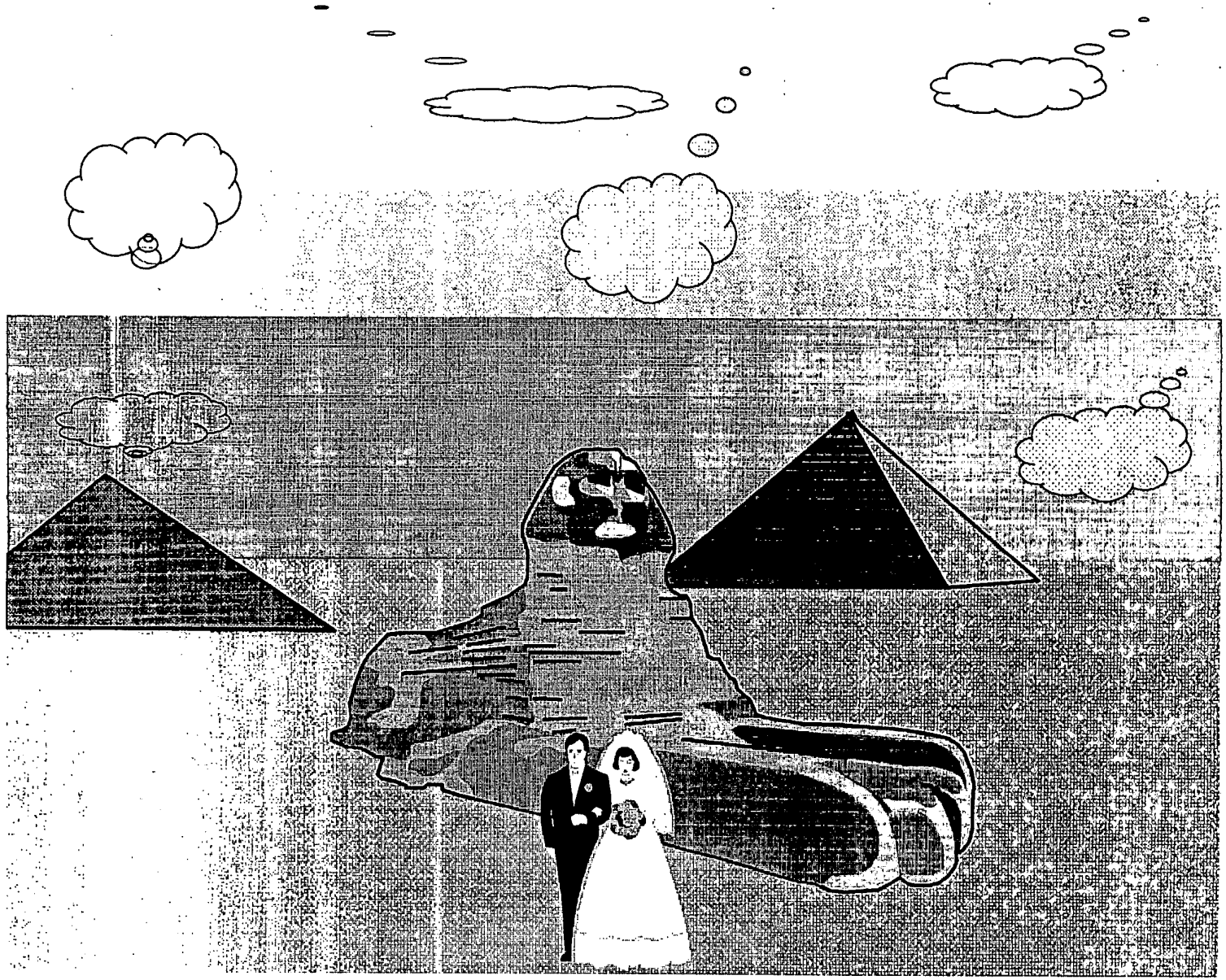

FIG. 10

FIG. 11

FIG. 12

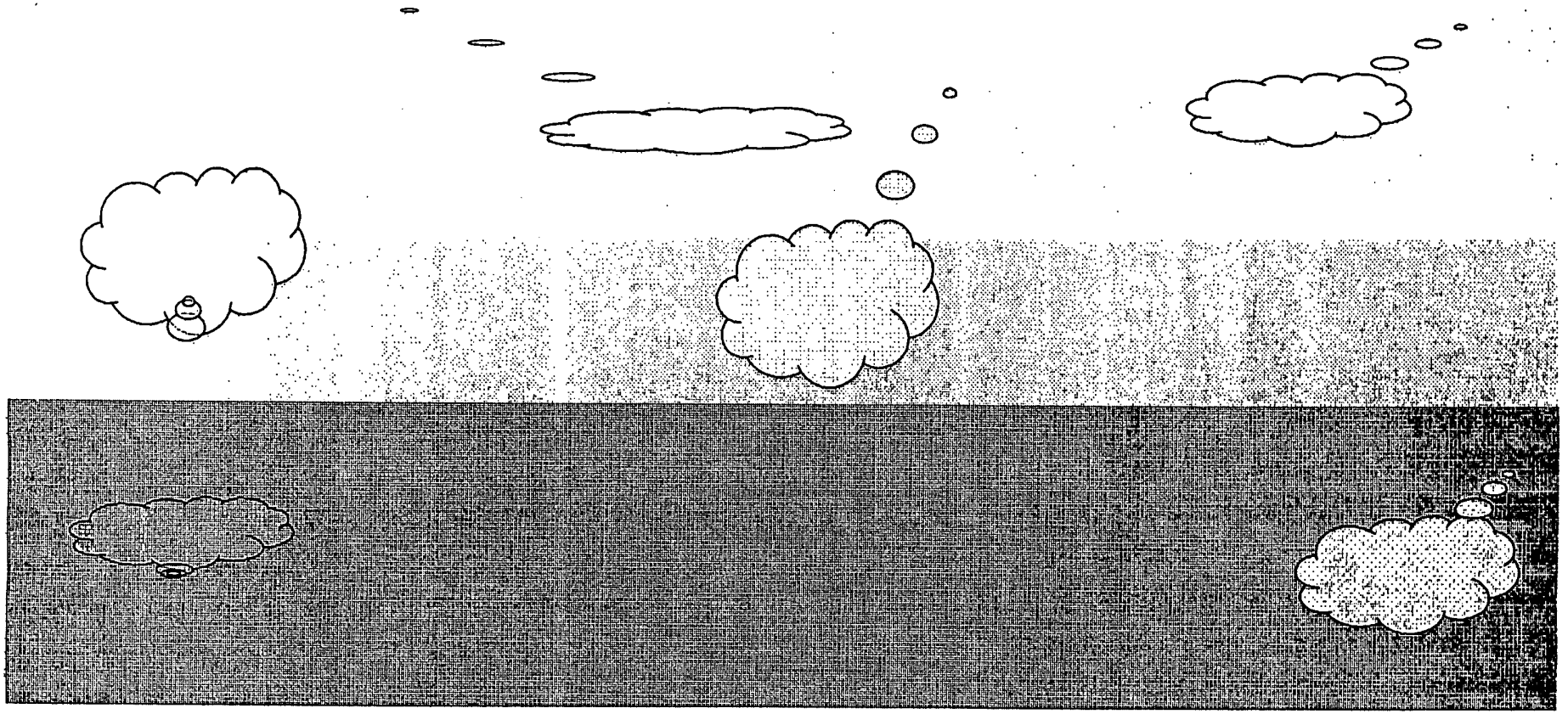

FIG. 13

FIG. 14

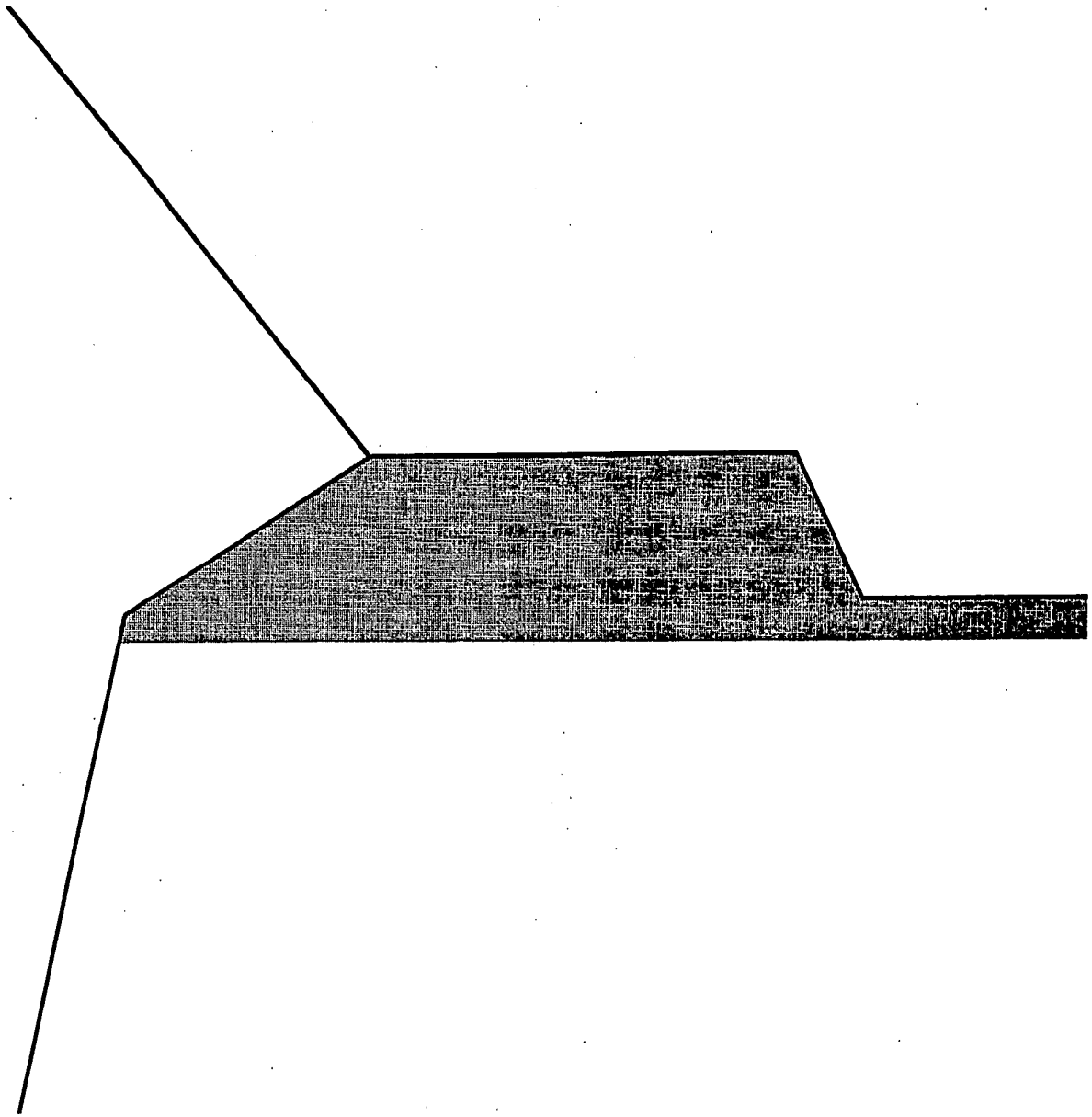

FIG. 15

POOR QUALITY

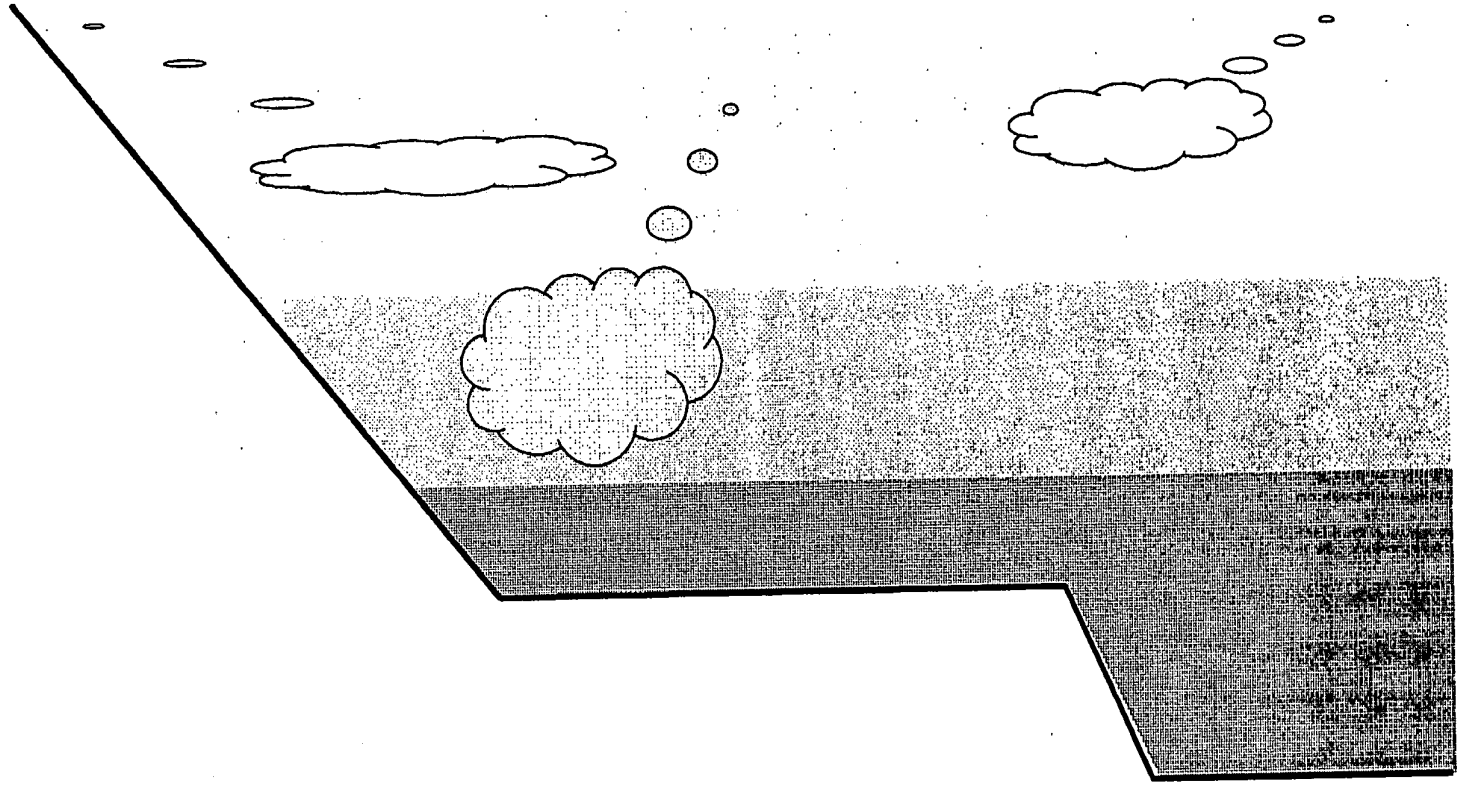

FIG. 16

IMAGE IDENTIFIER	SETTING EXAMPLE
IMAGE ID	P00001
IMGAE NAME	Work
IMAGE TYPE	V
NUMBER OF DIVISION	5
NUMBER OF LAYERS	3
NUMBER OF TIME DIVISION	1

FIG. 17A

DIVISION IDENTIFIER		SETTING EXAMPLE	
IMAGE ID		P00001	
DIVISION NUMBER		2	
GENERATION TARGET FLAG		1	
NAME OF ASSIGNED MACHINE		S701	
END FLAG		0	
DIVISION STARTING POINT(X)	DIVISION STARTING POINT(Y)	10	15
DIVISION INTERMEDIATE POINT(X)	DIVISION INTERMEDIATE POINT(Y)	46	78
DIVISION END POINT(X)	DIVISION END POINT(Y)	104	200

FIG. 17B

LAYER IDENTIFIER	SETTING EXAMPLE
IMAGE ID	P00001
LAYER NUMBER	2
GENERATION TARGET FLAG	1
NAME OF ASSIGNED MACHINE	S702
END FLAG	0

FIG. 17C

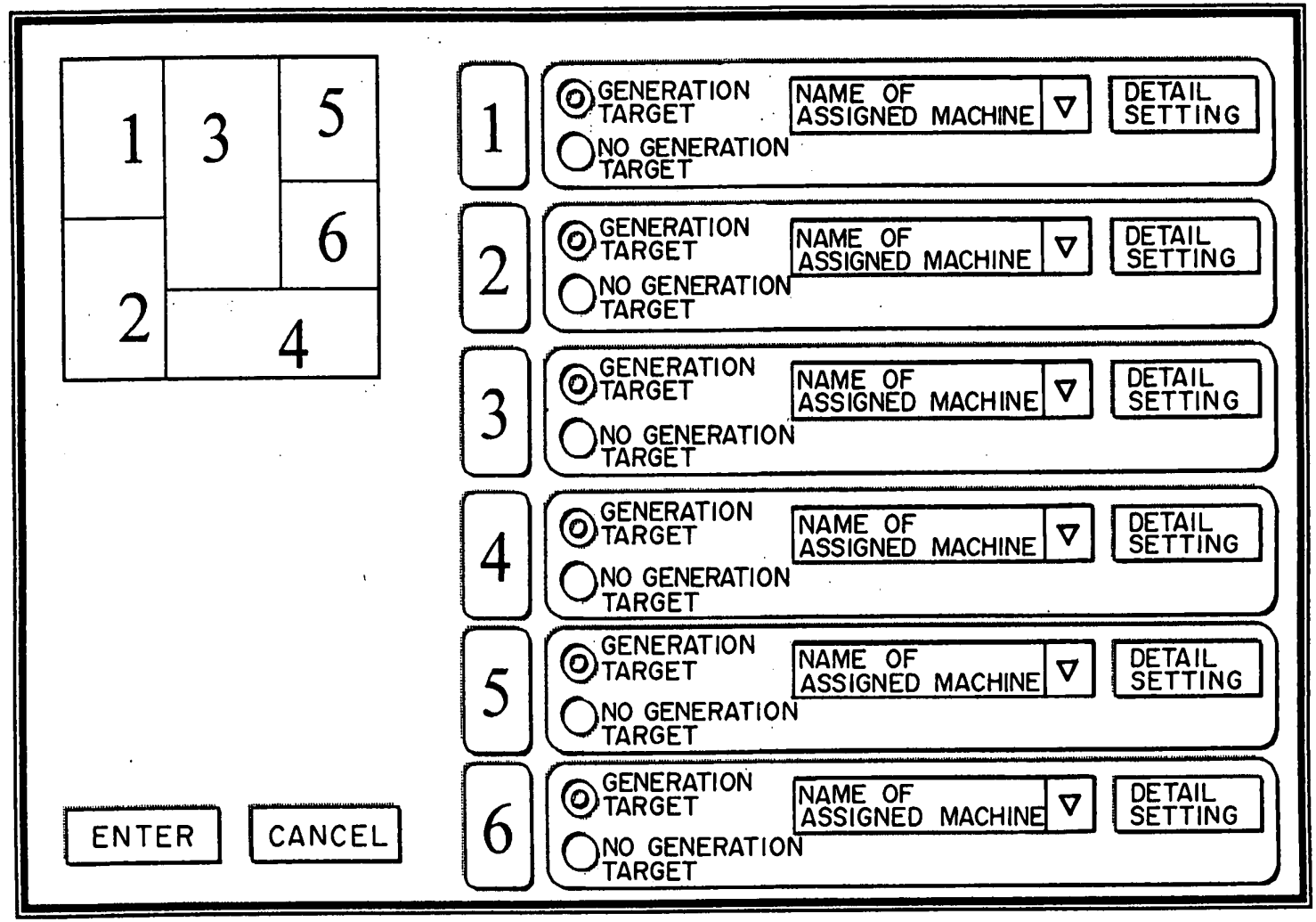
1
3
5
6
2
4
1
GENERATION TARGET
NO GENERATION TARGET
NAME OF ASSIGNED MACHINE
DETAIL SETTING
2
GENERATION TARGET
NO GENERATION TARGET
NAME OF ASSIGNED MACHINE
DETAIL SETTING
3
GENERATION TARGET
NO GENERATION TARGET
NAME OF ASSIGNED MACHINE
DETAIL SETTING
4
GENERATION TARGET
NO GENERATION TARGET
NAME OF ASSIGNED MACHINE
DETAIL SETTING
5
GENERATION TARGET
NO GENERATION TARGET
NAME OF ASSIGNED MACHINE
DETAIL SETTING
6
GENERATION TARGET
NO GENERATION TARGET
NAME OF ASSIGNED MACHINE
DETAIL SETTING
ENTER
CANCEL

FIG. 18

PUBLISHED

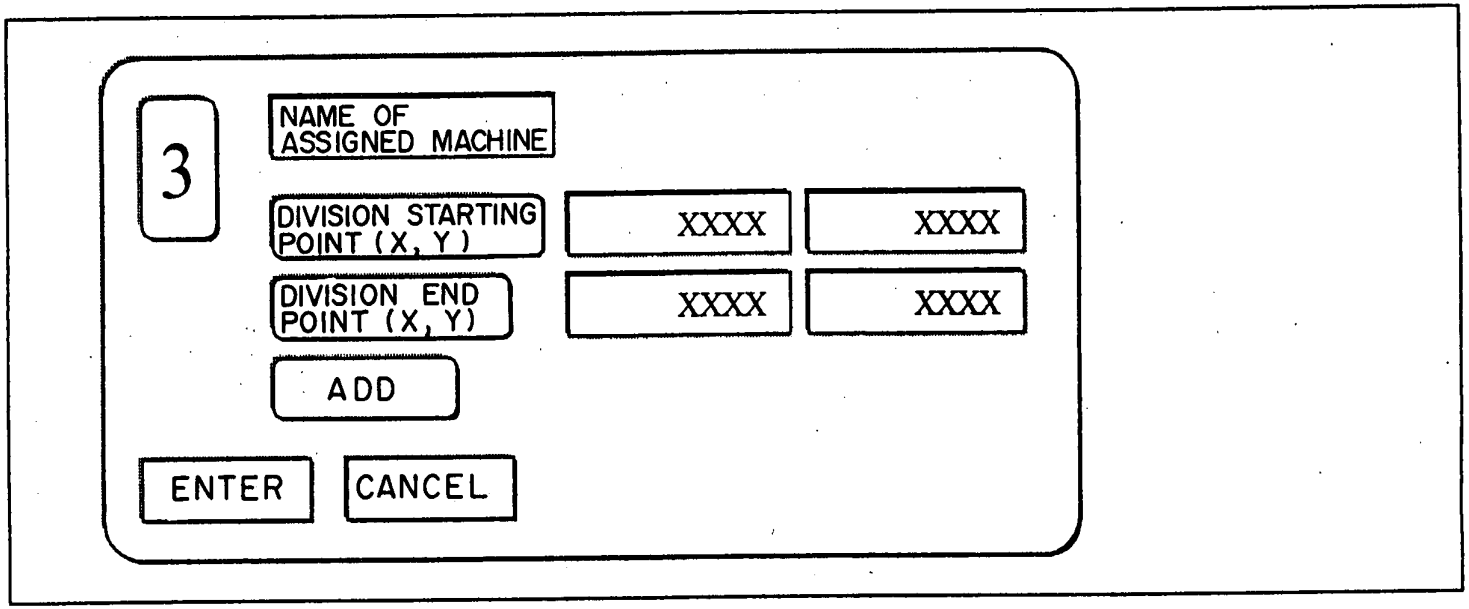

FIG. 19

FUSE2U 0111200

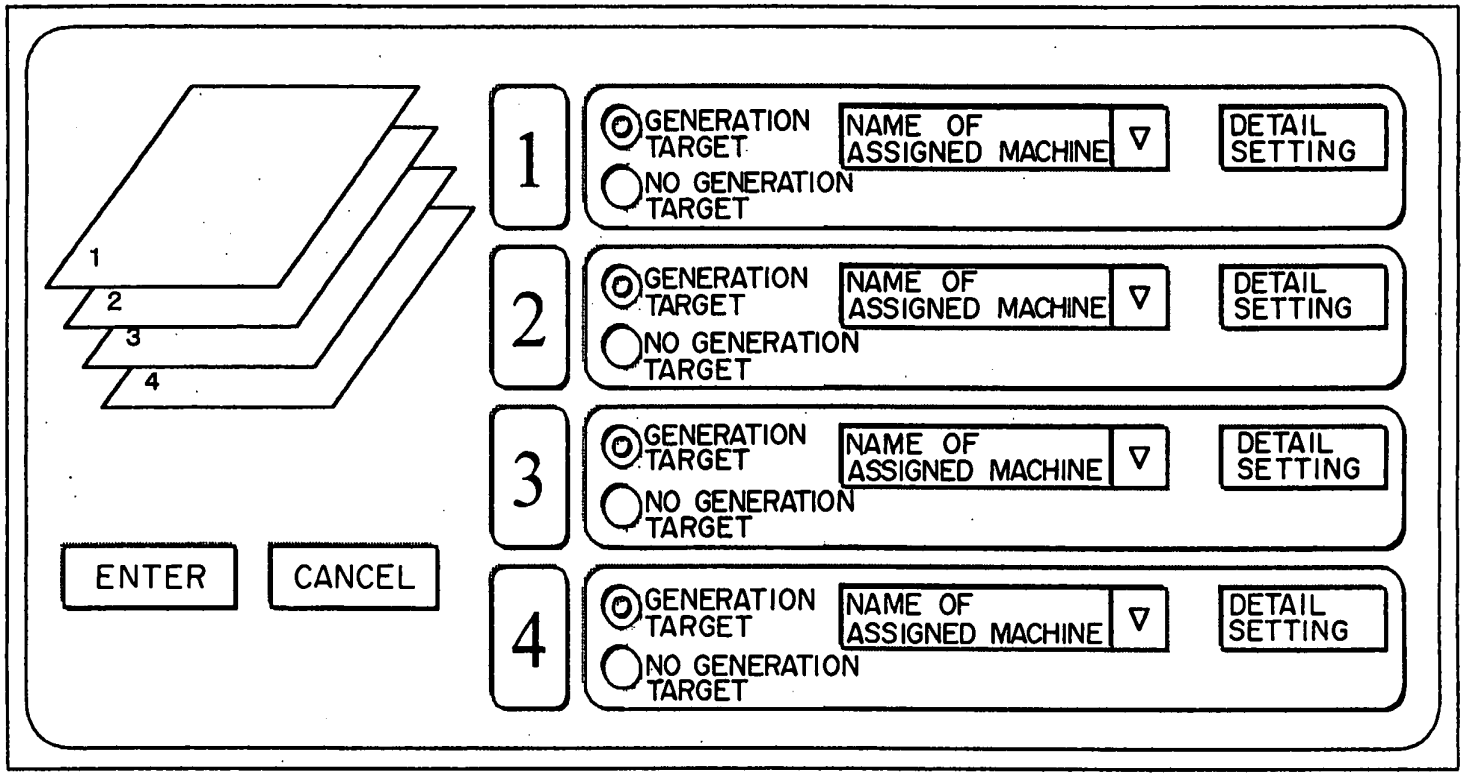

FIG. 20

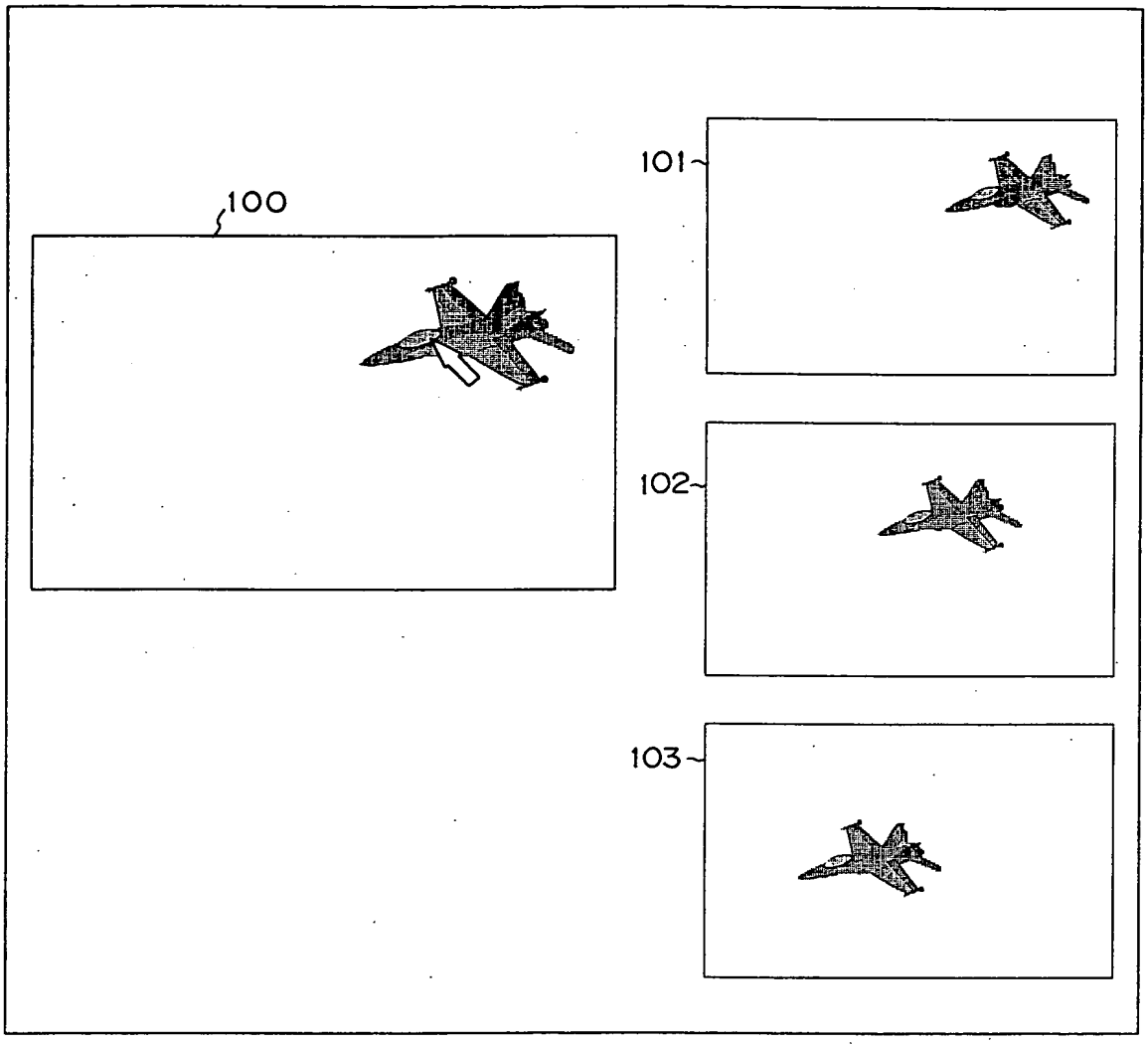

FIG. 21

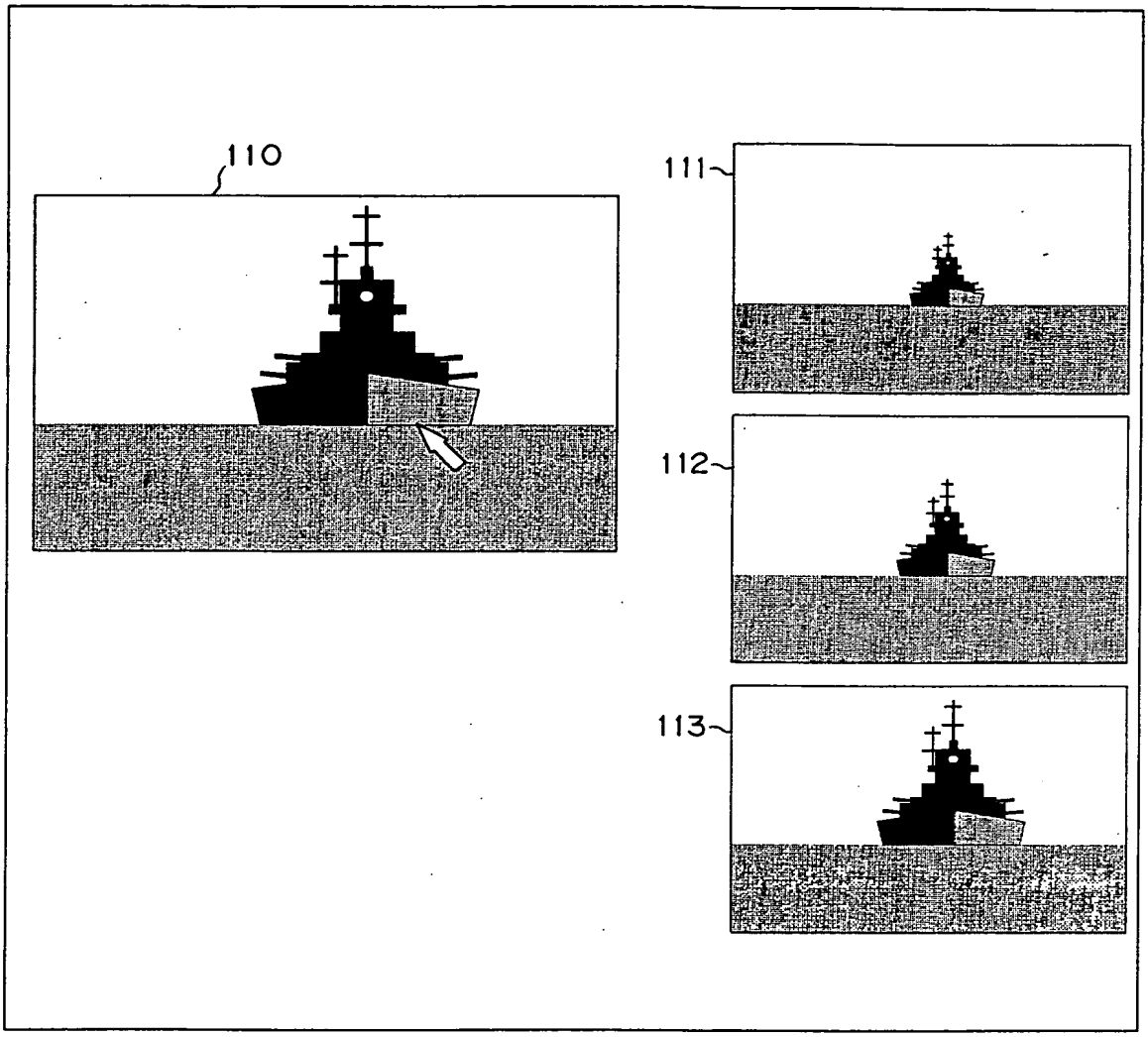

FIG. 22

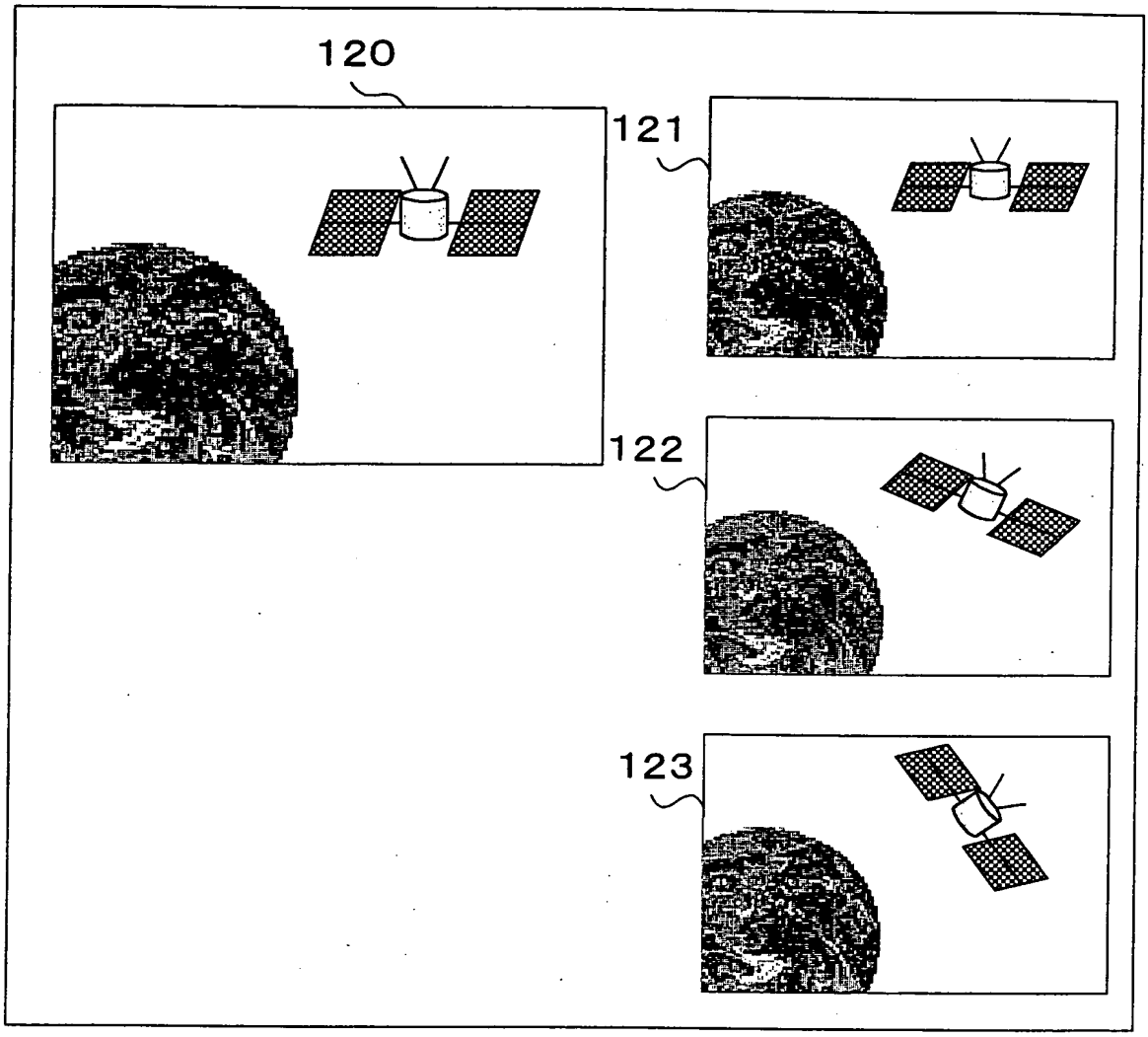

FIG. 23

TIME SERIES INFORMATION	SETTING EXAMPLE
IMAGE ID	P00001
TIME SERIES NUMBER	3
NUMBER OF FRAMES IN UNIT TIME	20
TIME INTERVAL	0.05
STARTING TIME	20001227011200
END TIME	20001227011300

FIG. 24

PUSH2U 0TH1060

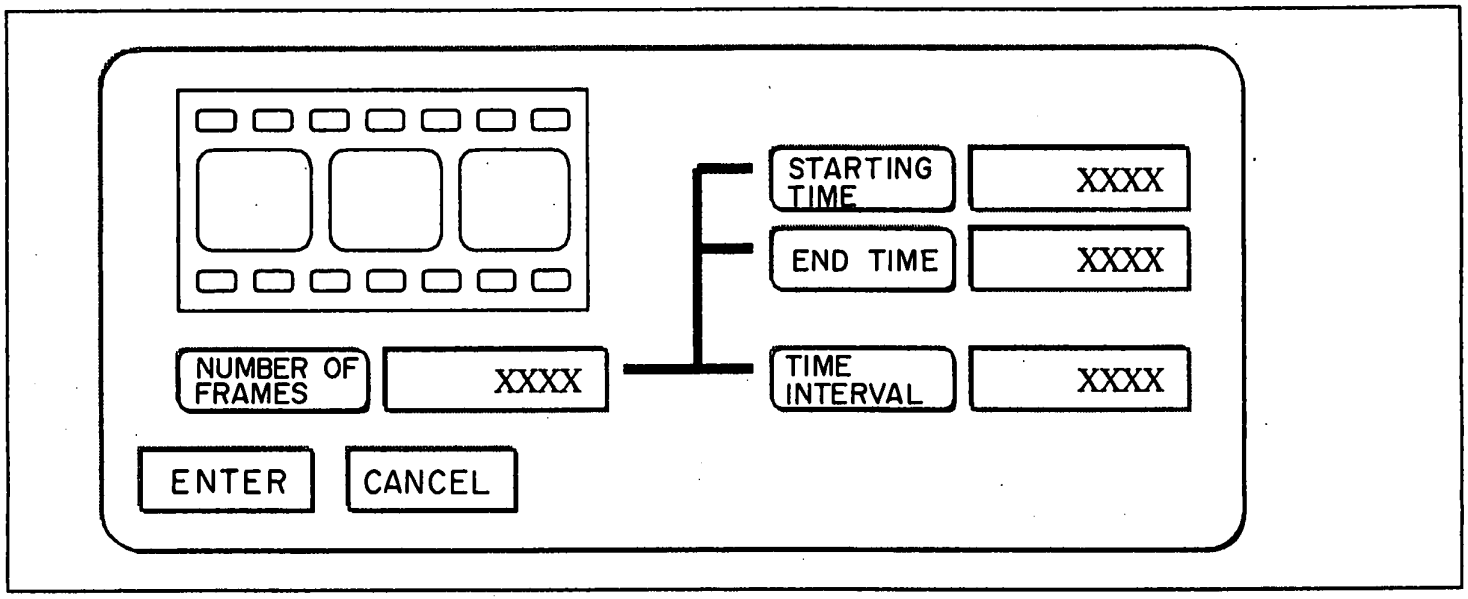

FIG. 25

IMAGE MOVEMENT INFORMATION			SETTING EXAMPLE	
IMAGE ID			P00001	
MOVEMENT TARGET NAME			OBJ001	
GROUP NAME			GPR001	
BASIC MOVEMENT INFORMATION	STARTING POINT(X)	STARTING POINT(Y)	11	103
	END POINT(X)	END POINT(Y)	120	140
	NUMBER OF FRAMES IN UNIT TIME		20	
	TIME INTERVAL		0.05	
	STARTING TIME		20001227011200	
	END TIME		20001227011300	
ENLARGEMENT/REDUCTION INFORMATION	ENLARGEMENT/REDUCTION FLAG		1	
	ENLARGEMENT/REDUCTION BASE POINT(X)	ENLARGEMENT/REDUCTION BASE POINT(Y)	1	0
	INITIAL ENLARGEMENT/REDUCTION RATE		1	
	ENLARGEMENT/REDUCTION RATE CHANGE		1	
	STARTING POINT MAGNIFICATION		1	
ROTATION INFORMATION	ROTATION FLAG		0	
	ROTATION CENTER(X)	ROTATION CENTER(Y)	11	12
	INITIAL ROTATION ANGLE		0	
	ROTATION ANGLE CHANGE		0	
	STARTING POINT ANGLE		0	

FIG. 26

FUSED DATED

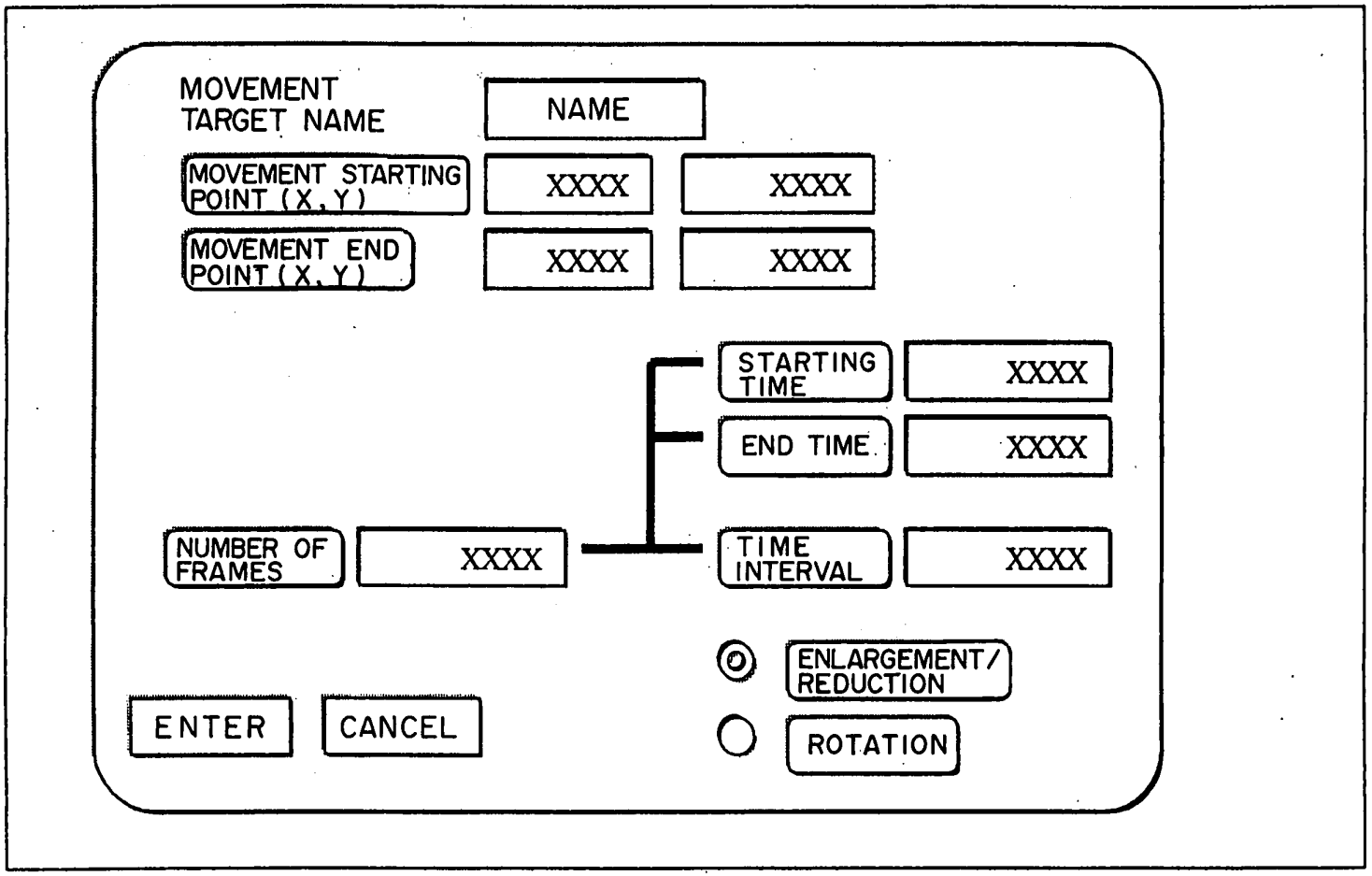

FIG. 27

PUBLISHED APPLICATION

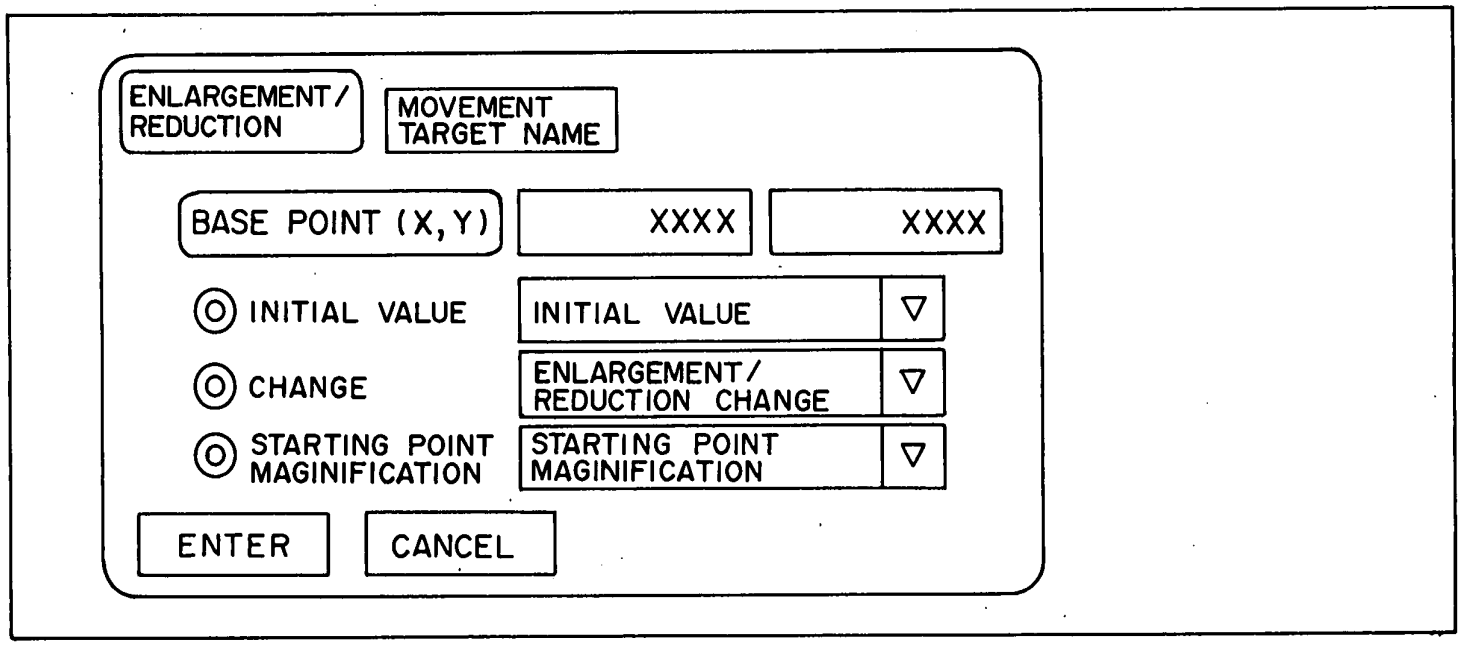

FIG. 28

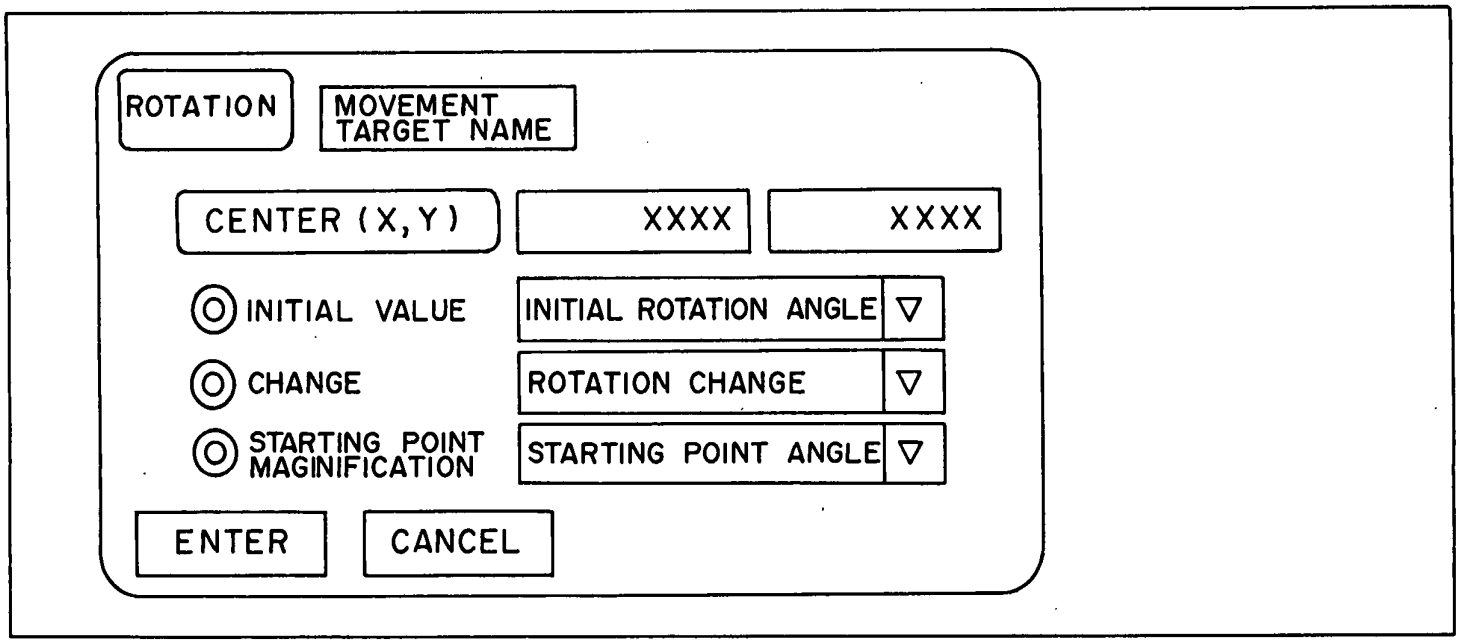
ROTATION
MOVEMENT TARGET NAME
CENTER (X,Y)
XXXX
XXXX
INITIAL VALUE
INITIAL ROTATION ANGLE
CHANGE
ROTATION CHANGE
STARTING POINT MAGINIFICATION
STARTING POINT ANGLE
ENTER
CANCEL

FIG. 29

TRANSMISSION INFORMATION	SETTING EXAMPLE
DIFFERENCE FLAG	1
END FLAG	0

FIG. 30

PUBLISHED APPROVED

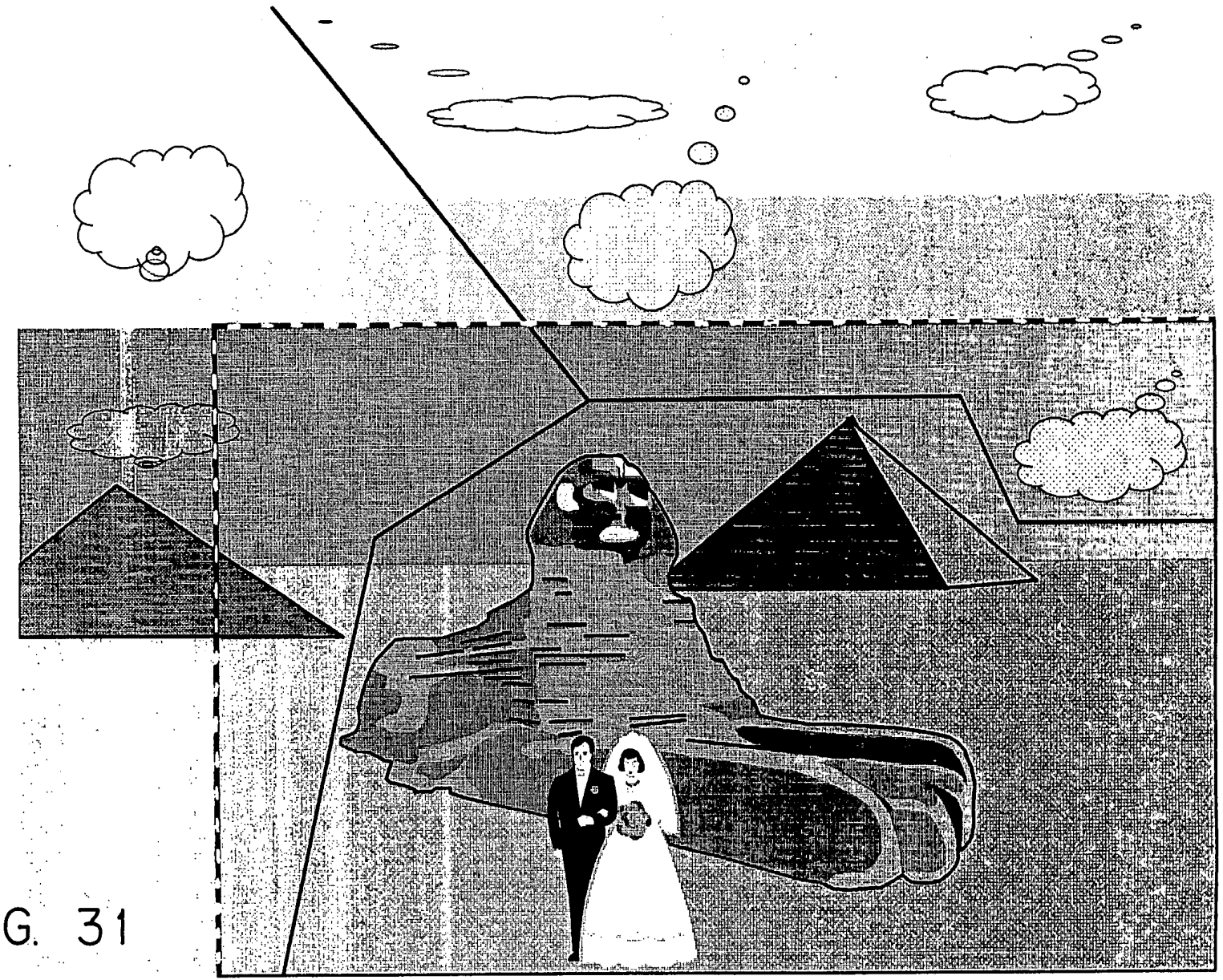

FIG. 31

Fused on 8-11-00

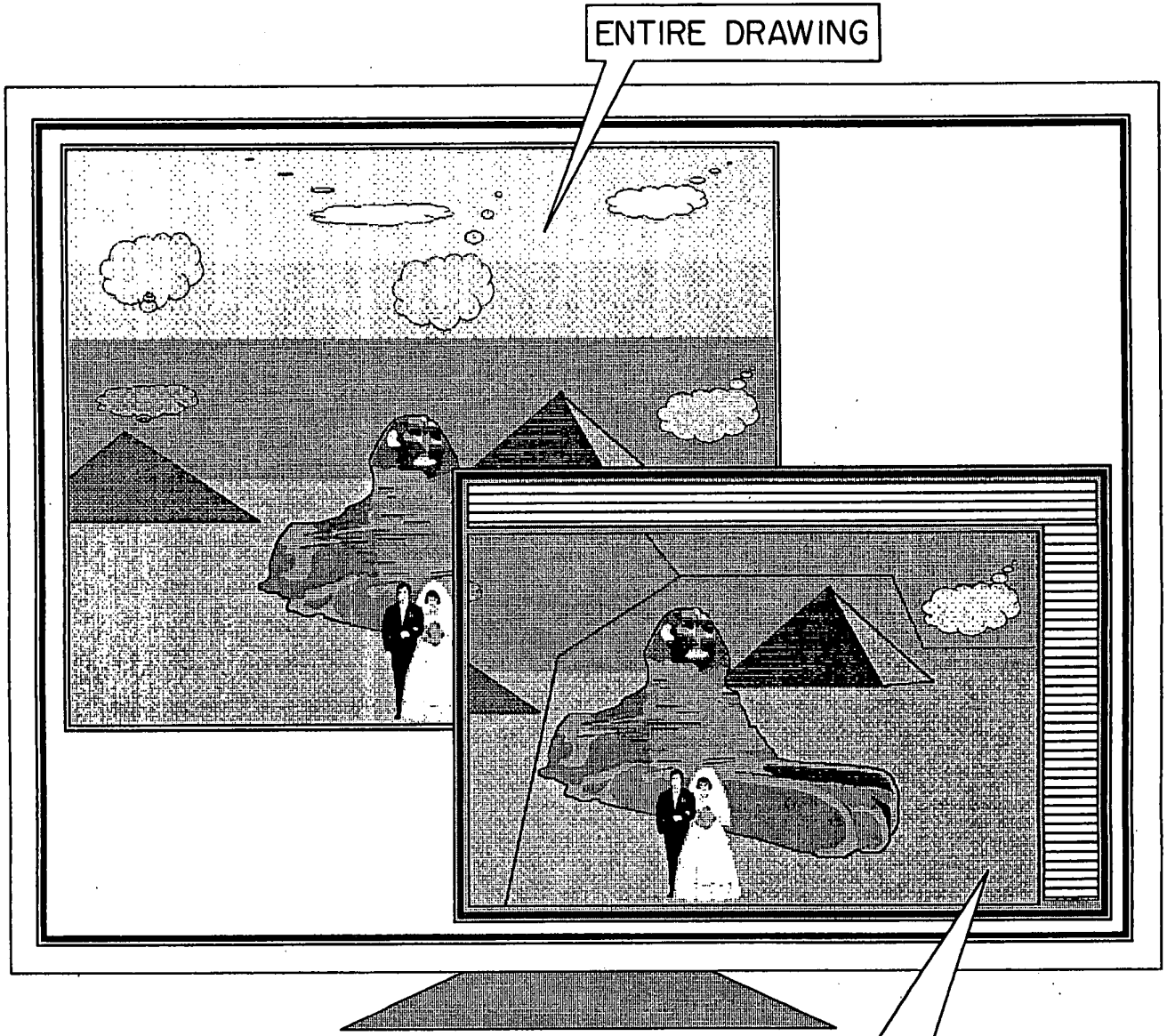

FIG. 32

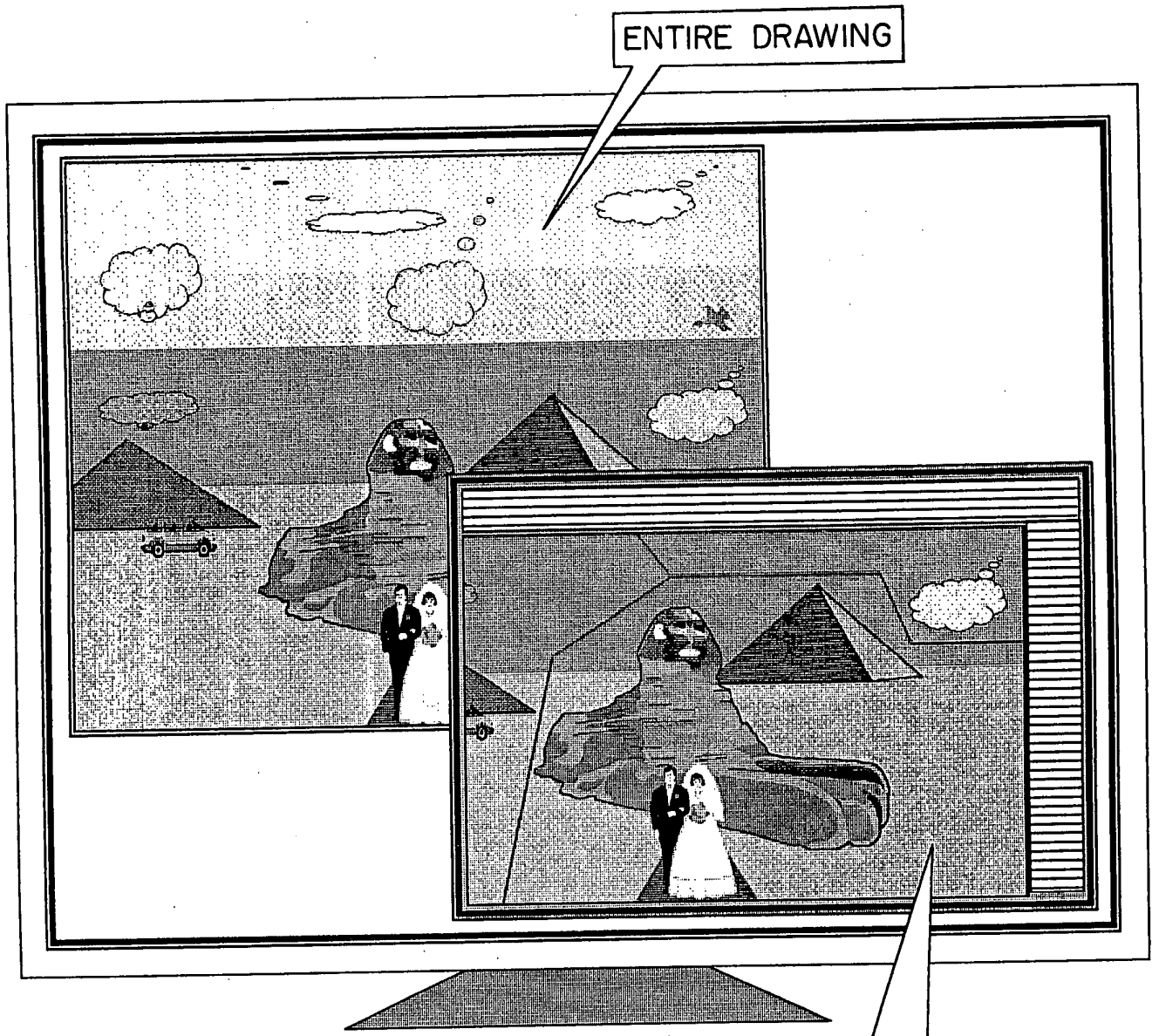

FIG. 33

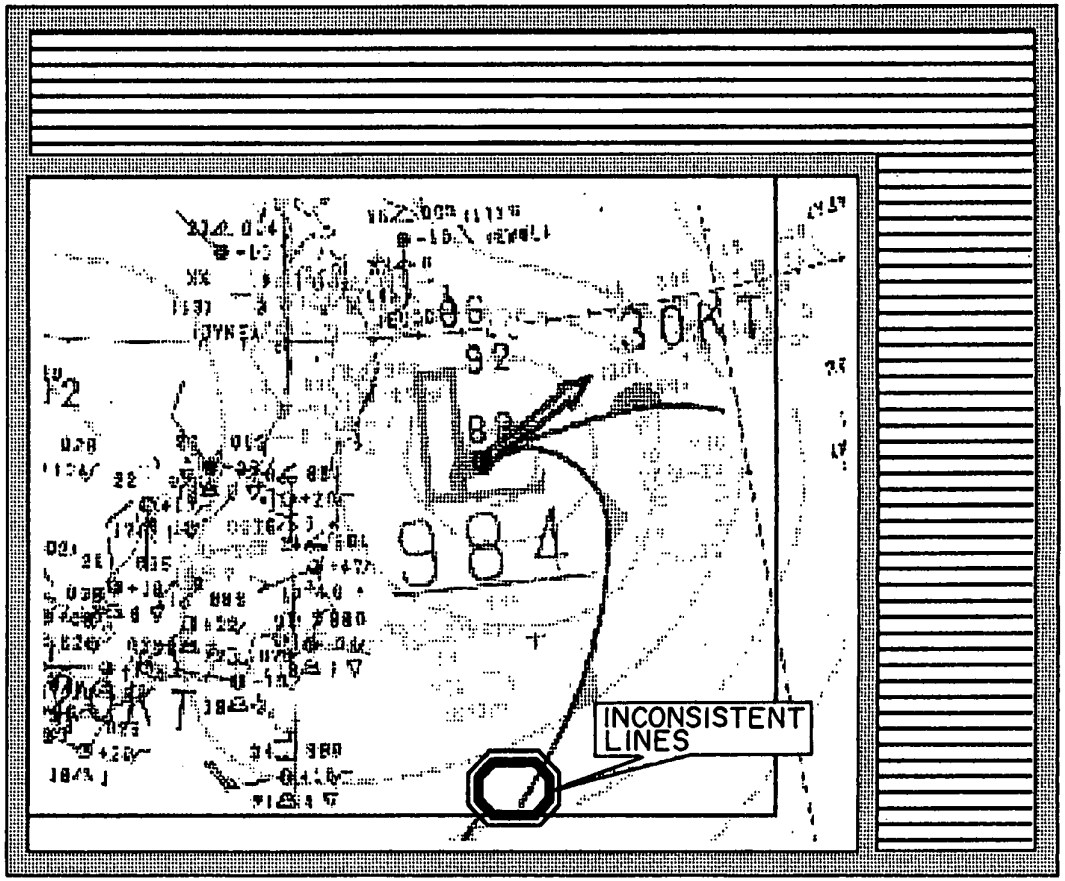

FIG. 34

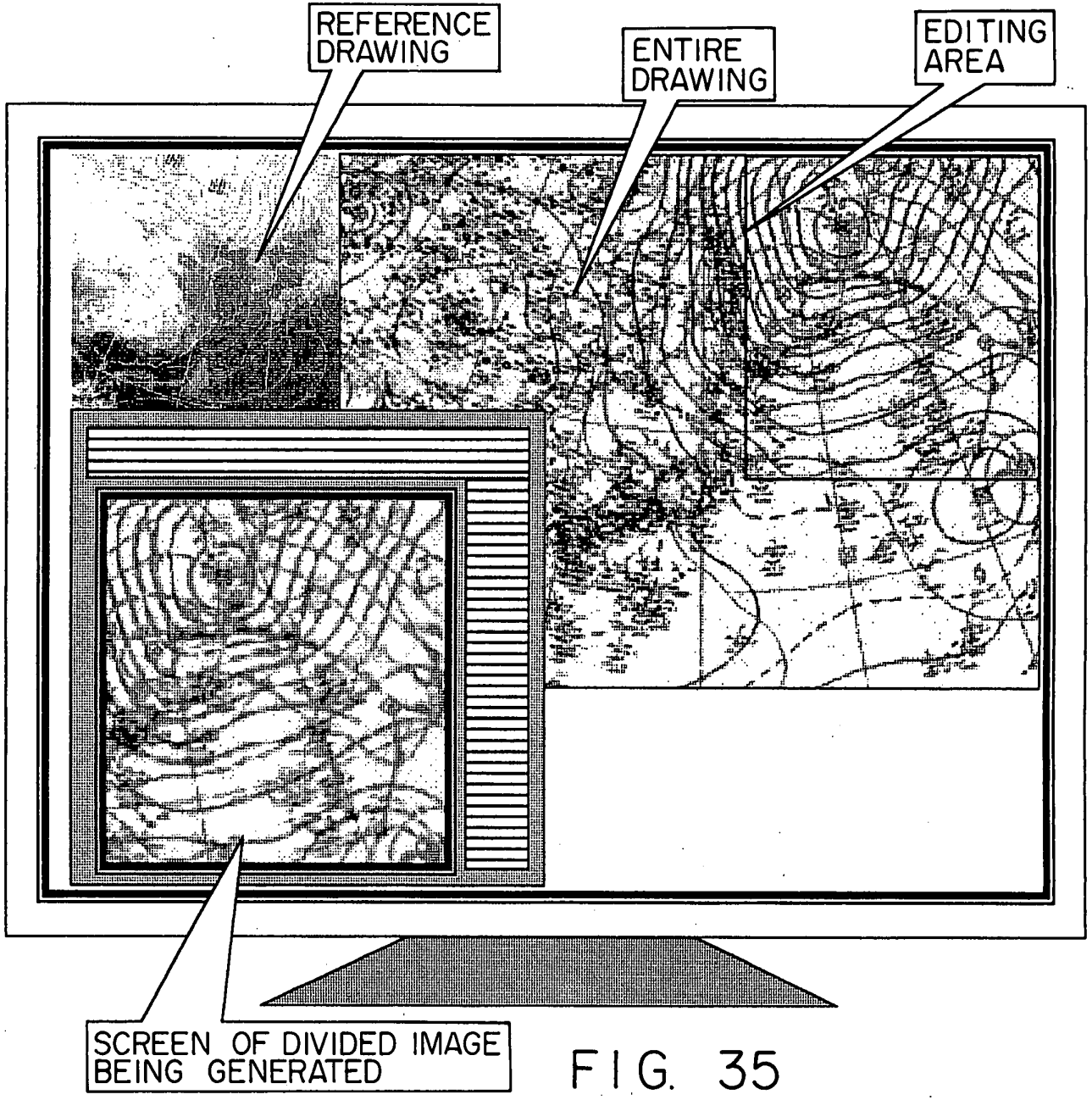
REFERENCE DRAWING
ENTIRE DRAWING
EDITING AREA
SCREEN OF DIVIDED IMAGE BEING GENERATED

FIG. 35

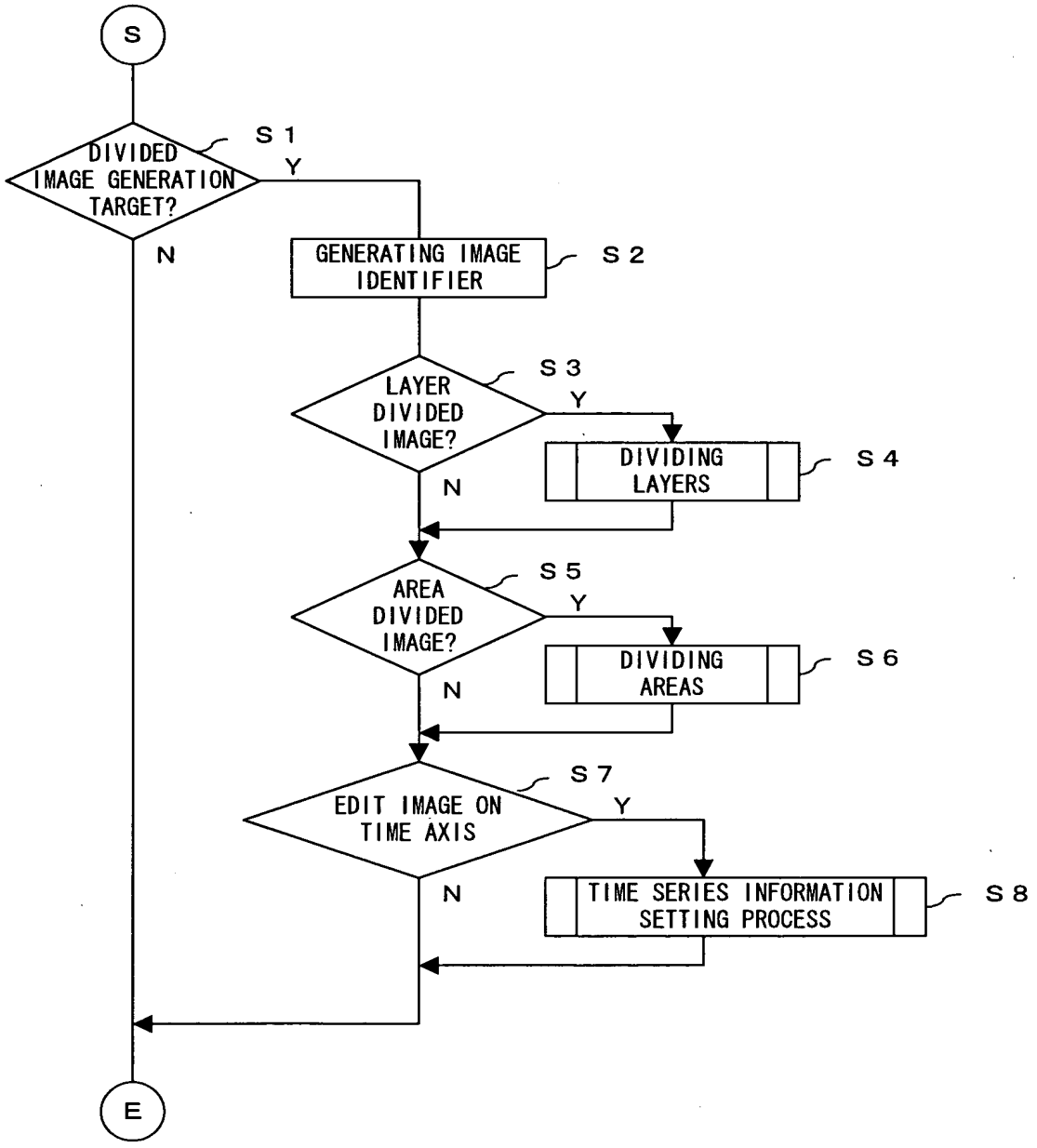
S
DIVIDED IMAGE GENERATION TARGET?
S 1
Y
N
GENERATING IMAGE IDENTIFIER
S 2
LAYER DIVIDED IMAGE?
S 3
Y
N
DIVIDING LAYERS
S 4
AREA DIVIDED IMAGE?
S 5
Y
N
DIVIDING AREAS
S 6
EDIT IMAGE ON TIME AXIS
S 7
Y
N
TIME SERIES INFORMATION SETTING PROCESS
S 8
E

FIG. 36

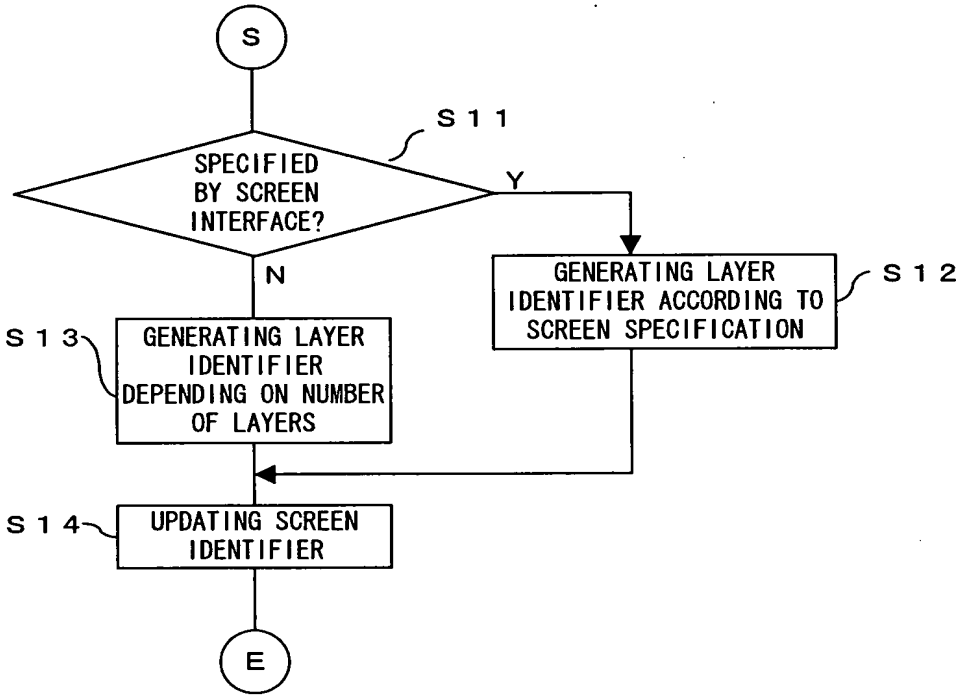
S
S11
SPECIFIED BY SCREEN INTERFACE?
Y
N
GENERATING LAYER IDENTIFIER ACCORDING TO SCREEN SPECIFICATION
S12
S13
GENERATING LAYER IDENTIFIER DEPENDING ON NUMBER OF LAYERS
S14
UPDATING SCREEN IDENTIFIER
E

FIG. 37

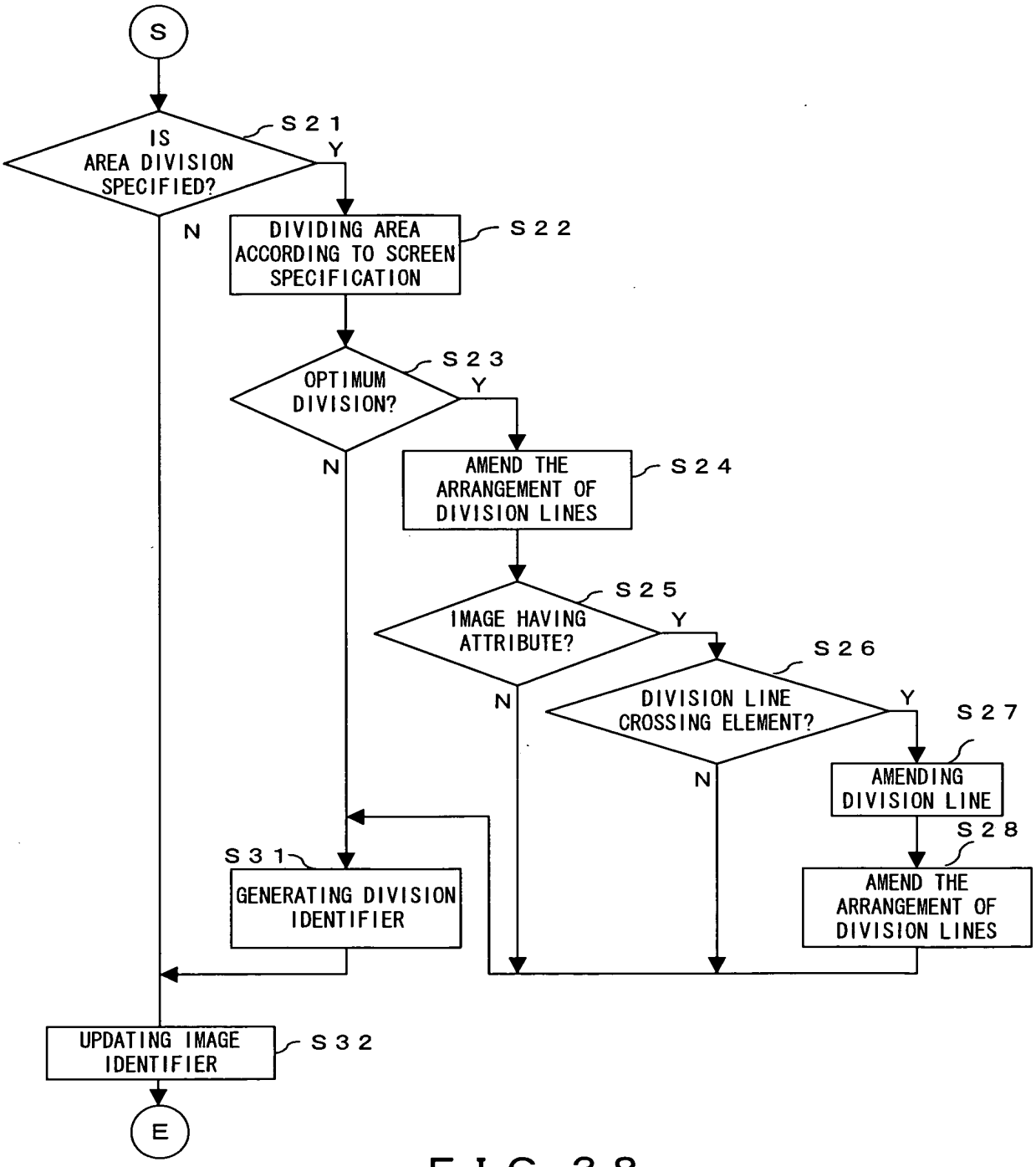
S
IS AREA DIVISION SPECIFIED?
S21
Y
N
DIVIDING AREA ACCORDING TO SCREEN SPECIFICATION
S22
OPTIMUM DIVISION?
S23
Y
N
AMEND THE ARRANGEMENT OF DIVISION LINES
S24
IMAGE HAVING ATTRIBUTE?
S25
Y
N
DIVISION LINE CROSSING ELEMENT?
S26
Y
N
AMENDING DIVISION LINE
S27
AMEND THE ARRANGEMENT OF DIVISION LINES
S28
GENERATING DIVISION IDENTIFIER
S31
UPDATING IMAGE IDENTIFIER
S32
E

FIG. 38

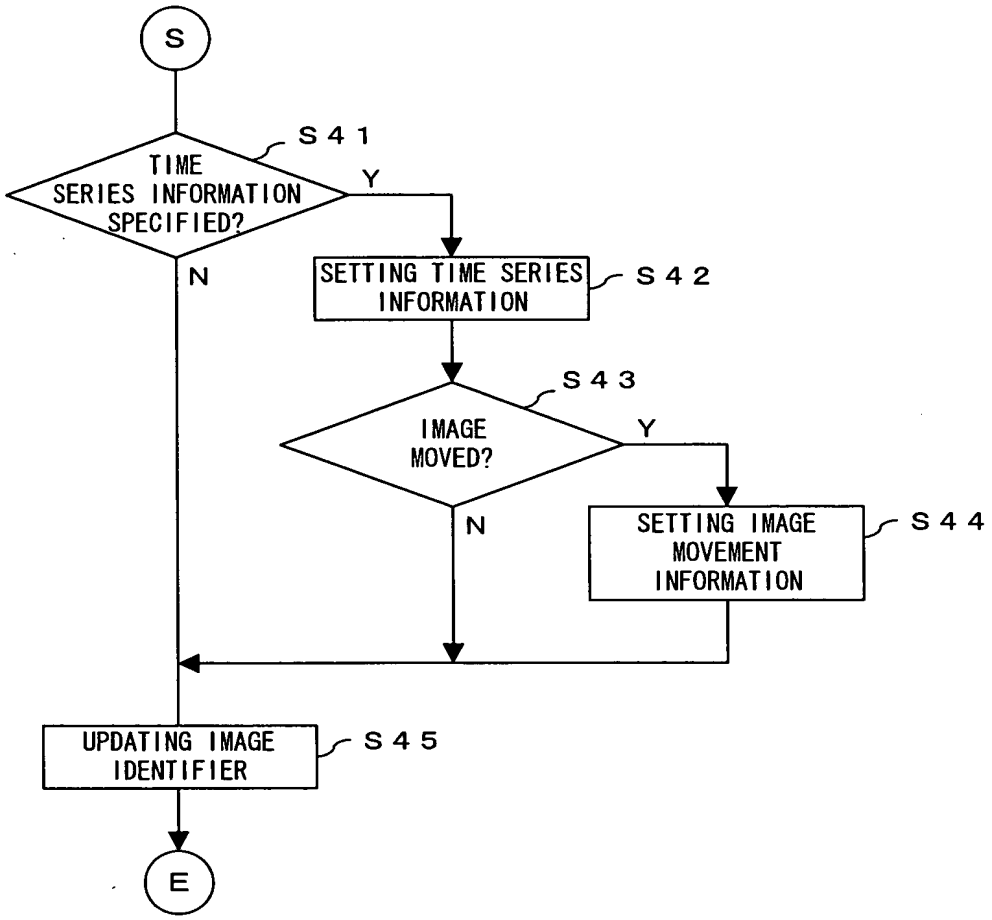
S
S41
TIME SERIES INFORMATION SPECIFIED?
Y
N
SETTING TIME SERIES INFORMATION
S42
S43
IMAGE MOVED?
Y
N
SETTING IMAGE MOVEMENT INFORMATION
S44
UPDATING IMAGE IDENTIFIER
S45
E

FIG. 39

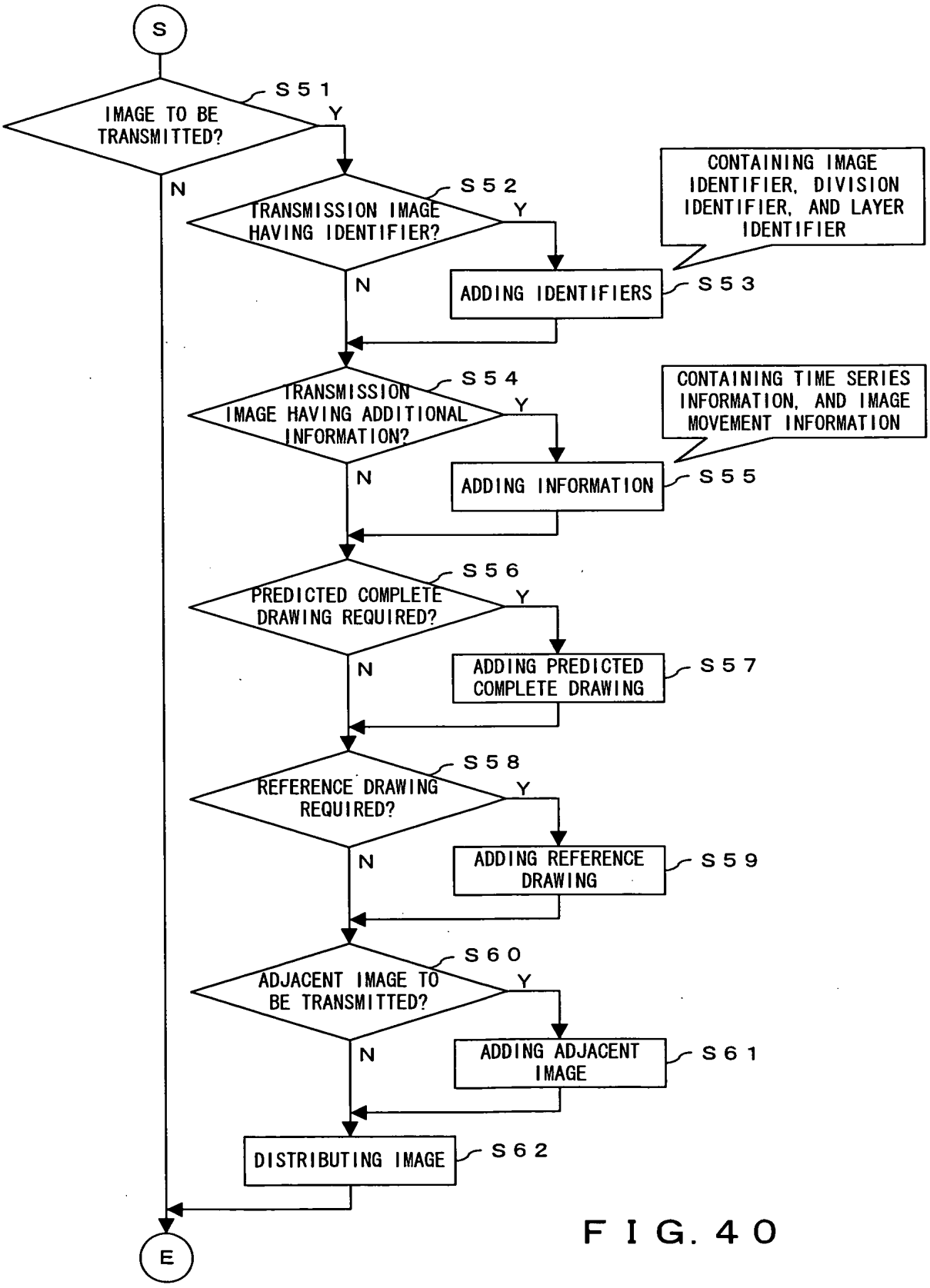
S
S51
IMAGE TO BE TRANSMITTED?
Y
N
S52
TRANSMISSION IMAGE HAVING IDENTIFIER?
Y
N
CONTAINING IMAGE IDENTIFIER, DIVISION IDENTIFIER, AND LAYER IDENTIFIER
ADDING IDENTIFIERS
S53
S54
TRANSMISSION IMAGE HAVING ADDITIONAL INFORMATION?
Y
N
CONTAINING TIME SERIES INFORMATION, AND IMAGE MOVEMENT INFORMATION
ADDING INFORMATION
S55
S56
PREDICTED COMPLETE DRAWING REQUIRED?
Y
N
ADDING PREDICTED COMPLETE DRAWING
S57
S58
REFERENCE DRAWING REQUIRED?
Y
N
ADDING REFERENCE DRAWING
S59
S60
ADJACENT IMAGE TO BE TRANSMITTED?
Y
N
ADDING ADJACENT IMAGE
S61
DISTRIBUTING IMAGE
S62
E

FIG. 40

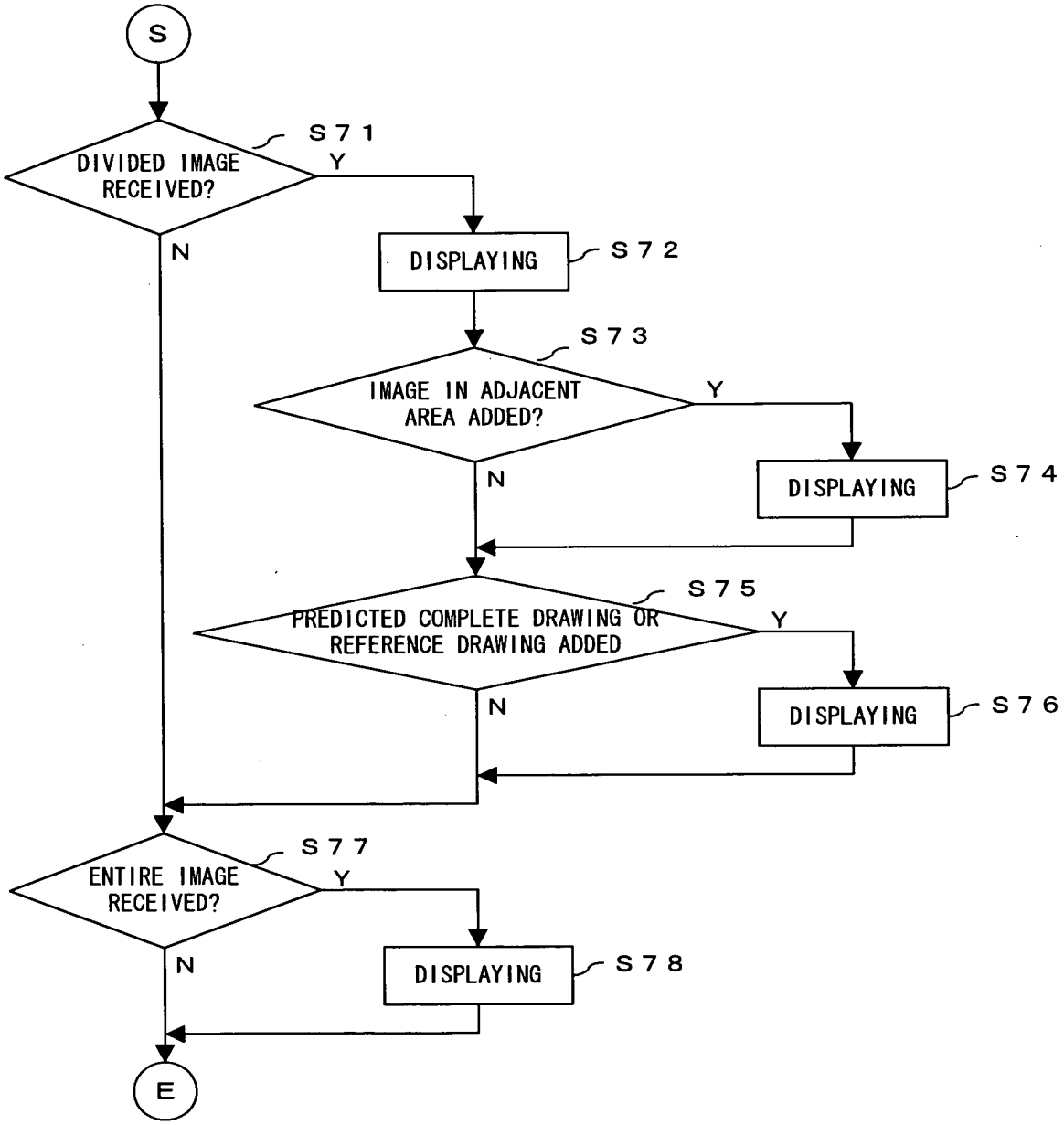
S
DIVIDED IMAGE RECEIVED?
S71
Y
N
DISPLAYING
S72
IMAGE IN ADJACENT AREA ADDED?
S73
Y
N
DISPLAYING
S74
PREDICTED COMPLETE DRAWING OR REFERENCE DRAWING ADDED
S75
Y
N
DISPLAYING
S76
ENTIRE IMAGE RECEIVED?
S77
Y
N
DISPLAYING
S78
E

FIG. 41

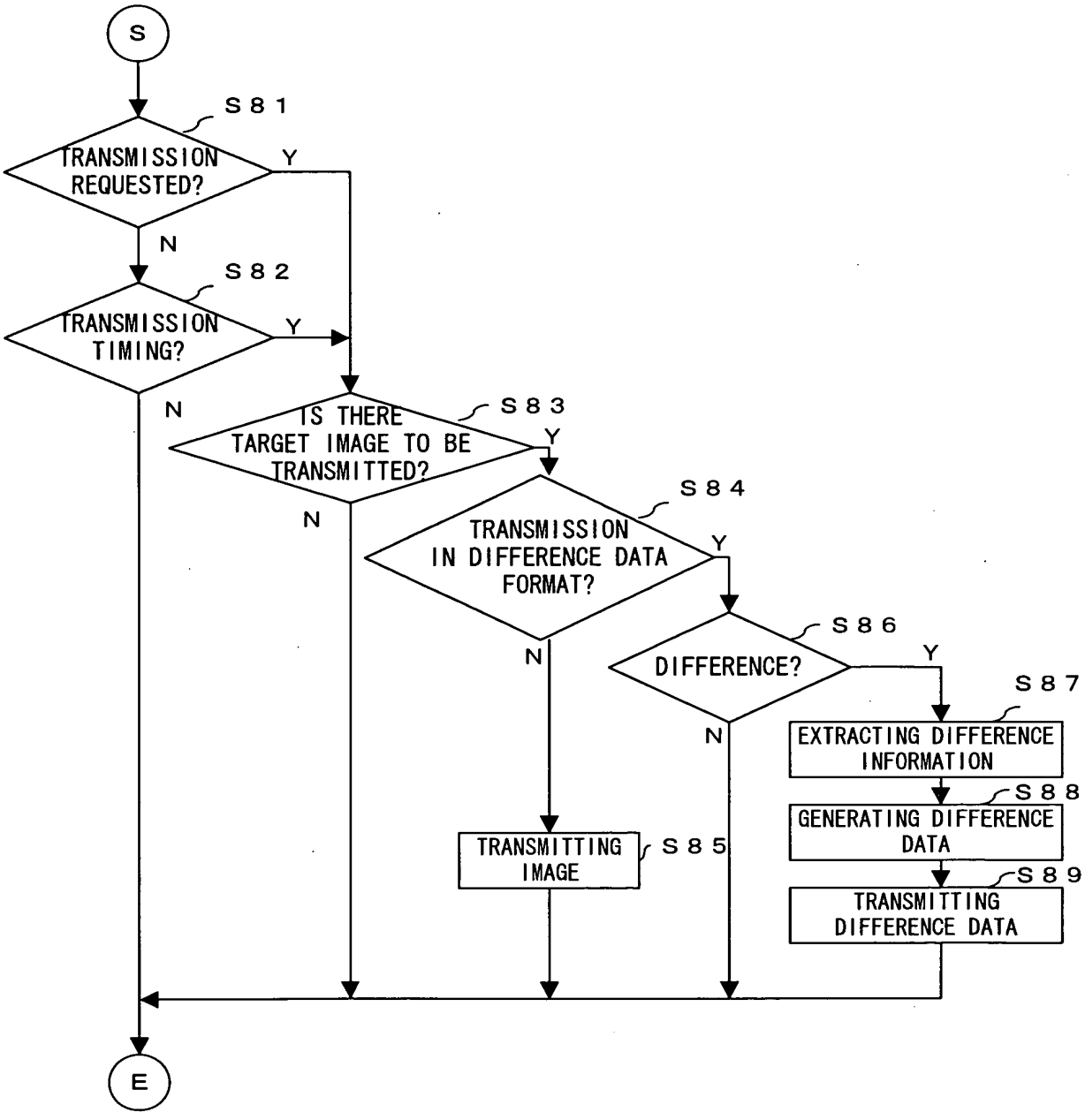
S
S81
TRANSMISSION REQUESTED?
Y
N
S82
TRANSMISSION TIMING?
Y
N
S83
IS THERE TARGET IMAGE TO BE TRANSMITTED?
Y
N
S84
TRANSMISSION IN DIFFERENCE DATA FORMAT?
Y
N
S86
DIFFERENCE?
Y
N
S87
EXTRACTING DIFFERENCE INFORMATION
S88
GENERATING DIFFERENCE DATA
S89
TRANSMITTING DIFFERENCE DATA
S85
TRANSMITTING IMAGE
E

FIG. 42

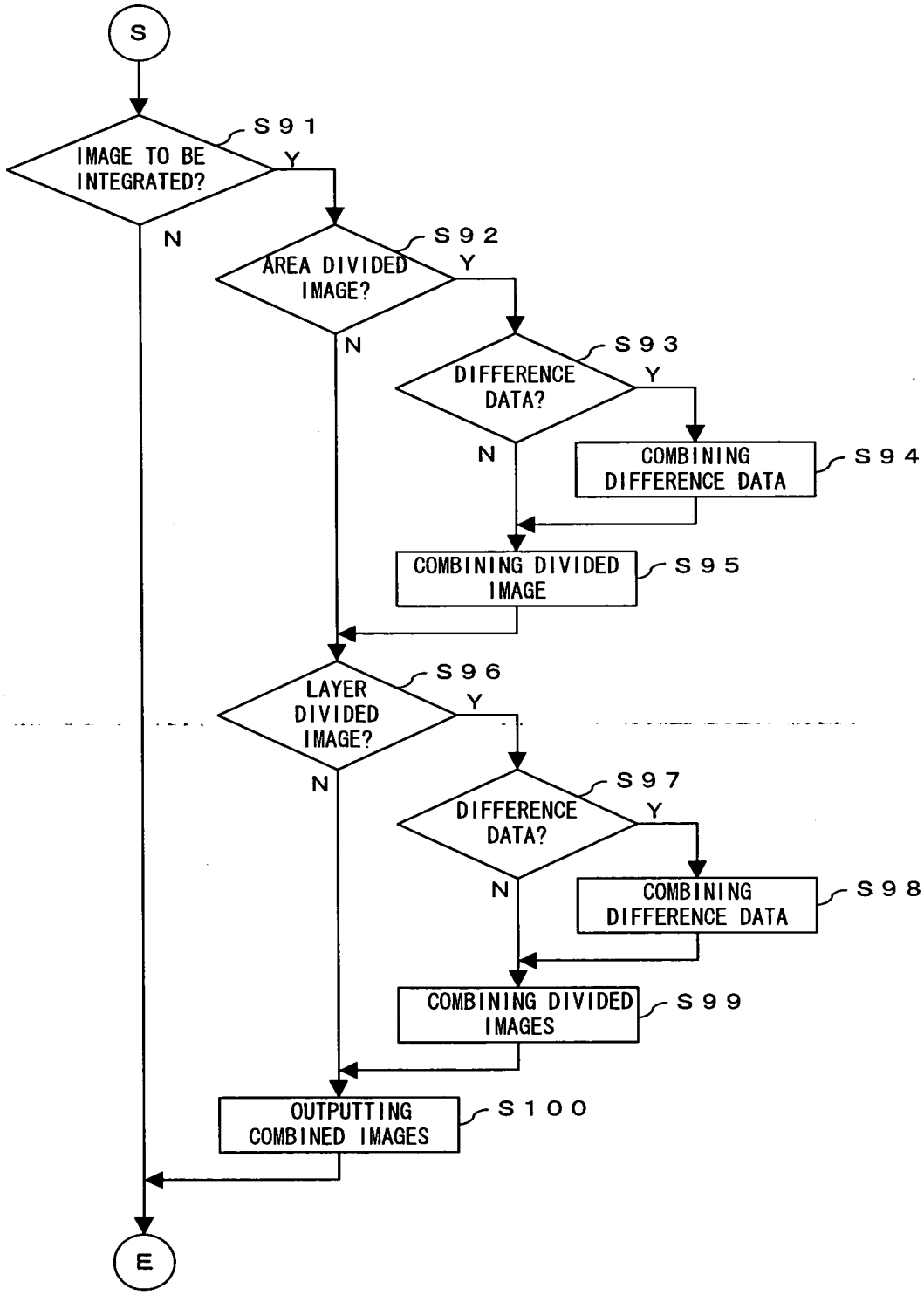
S
IMAGE TO BE INTEGRATED?
S91
Y
N
AREA DIVIDED IMAGE?
S92
Y
N
DIFFERENCE DATA?
S93
Y
N
COMBINING DIFFERENCE DATA
S94
COMBINING DIVIDED IMAGE
S95
LAYER DIVIDED IMAGE?
S96
Y
N
DIFFERENCE DATA?
S97
Y
N
COMBINING DIFFERENCE DATA
S98
COMBINING DIVIDED IMAGES
S99
OUTPUTTING COMBINED IMAGES
S100
E

FIG. 43

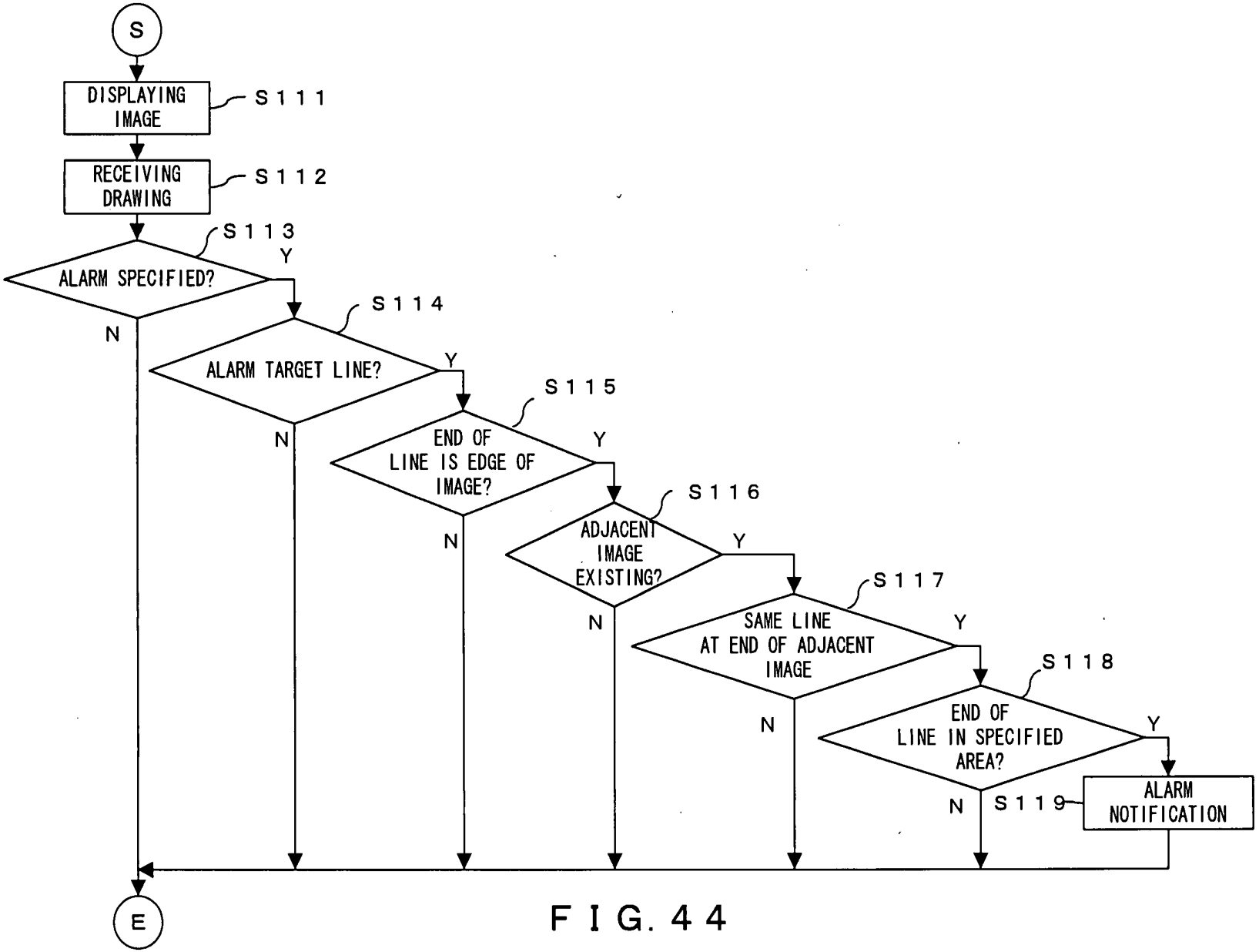
S
DISPLAYING IMAGE
S111
RECEIVING DRAWING
S112
S113
ALARM SPECIFIED?
Y
N
S114
ALARM TARGET LINE?
Y
N
S115
END OF LINE IS EDGE OF IMAGE?
Y
N
S116
ADJACENT IMAGE EXISTING?
Y
N
S117
SAME LINE AT END OF ADJACENT IMAGE
Y
N
S118
END OF LINE IN SPECIFIED AREA?
Y
N
S119
ALARM NOTIFICATION
E

FIG. 44

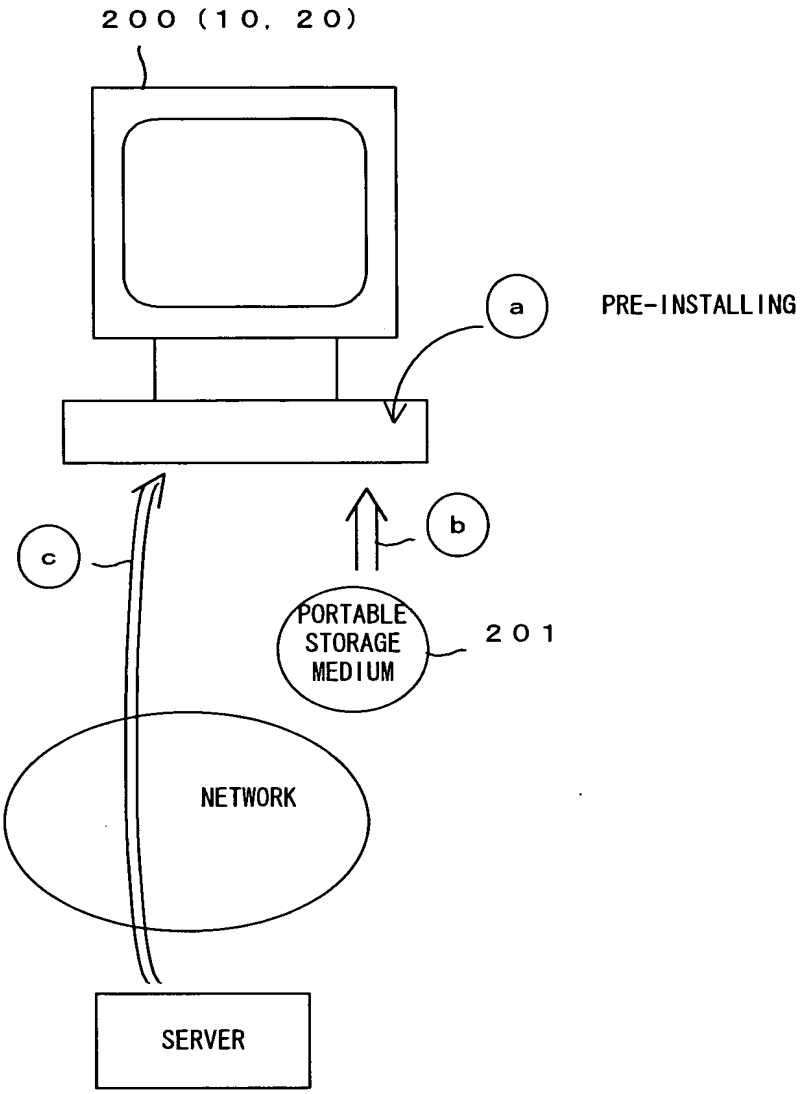
200 (10, 20)
a
PRE-INSTALLING
b
c
PORTABLE STORAGE MEDIUM
201
NETWORK
SERVER

FIG. 45